TOSHIBA

FILE NO. 050-200534

SERVICE MANUAL

Projection Television

44HM85

©TOSHIBA CORPORATION 2005

Published in Japan, Sep. 2005 (YC)

TABLE OF CONTENTS

SAFETY PRECAUTIONS 3
SPECIFICATIONS 4
DESCRIPTION OF CONTROLS 5
ADJUSTMENT INSTRUCTION 12
EXPLODED VIEW 16
REPLACEMENT PARTS LIST 17
PC BOARDS TOP & BOTTOM VIEW 32
BLOCK DIAGRAM 39
SCHEMATIC DIAGRAM 43

SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by in ⚠ the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **Isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitary that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

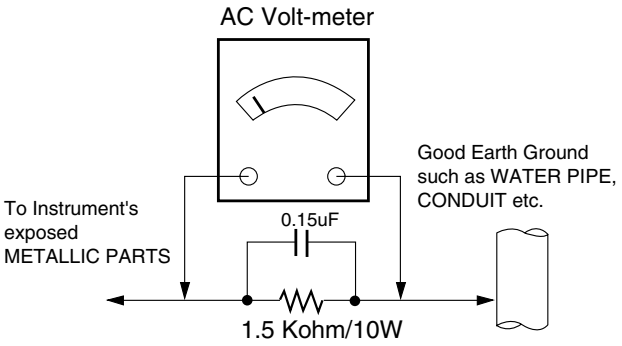
Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs.
Place the AC switch in the on positioin, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.
Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each esposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits sepcified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



TOSHIBA OF CANADA LTD.
191 McNABB STREET, MARKHAM.
ONTARIO, L3R 8H2, CANADA
TEL : (905)470-5400

SPECIFICATIONS

Product Specifications

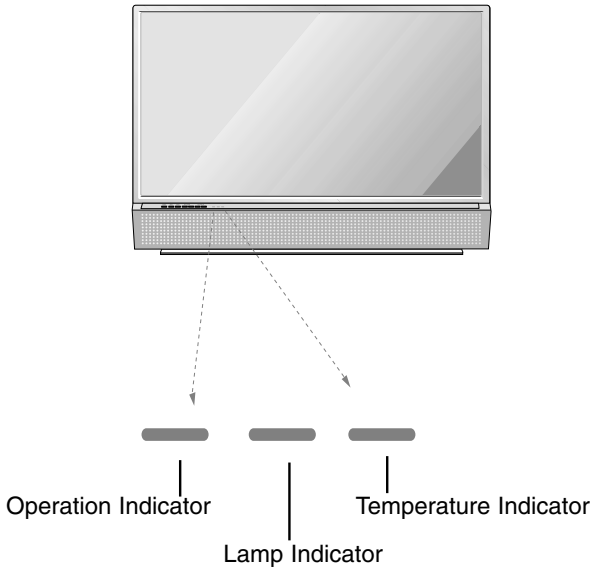
- *This model complies with the specifications listed below.*
- *Designs and specifications are subject to change without notice.*
- *This model may not be compatible with features and/or specifications that may be added in the future.*

Model		
44HM85	Horizontal Size (Inches) Height (Inches) Depth (Inches) Weight (lbs.)	39.9 29.2 14.3 56.2
Power Requirement	AC 120V, 60Hz	
Television System	American TV Standard, NTSC, ATSC with STB	
Television Channels	VHF: 2 - 13 UHF: 14 - 69 CATV: 1 - 125	
Power Consumption (W)	210W	
Antenna	75 ohm External Terminal for VHF/UHF	
Audio Output (W)	15W x 2	
External Input/Output Ports	A/V input (3 set) Monitor out (1 set) S-Video input (3) COLORSTREAM HD input (2 set) RGB input (1) HDMI input (1) RGB audio input (1 set) UPGRADE port (1) RF input (1)	

DESCRIPTION OF CONTROLS

Function Status Indicators

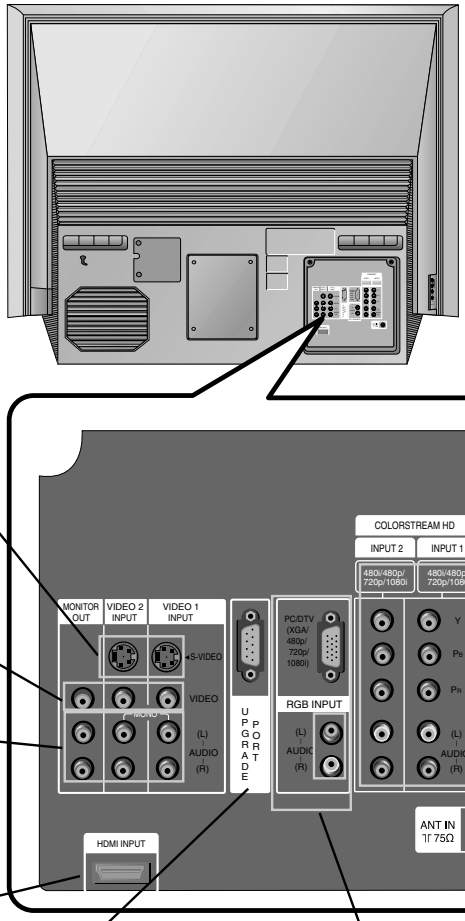
Lamp indicator, operation indicator, and temperature indicator located below the front panel controls, reveal the operating status of the DLP projection TV.



Operation Indicator	Off	Power cord is not connected.
	Red	Power Cord is connected, unit is on standby mode.
	Green	TV turns on.
	Orange (flashing)	Preparing operation in standby mode.
Lamp Indicator	Red (flashing)	There is a problem with the lamp or around it. Contact an authorized service center.
	Green (flashing)	The lamp cover is not closed.
Temperature Indicator	Red	The projection TV has shut down due to overheating. After viewing the phrase “Thermal High Error”.
	Red (flashing) trouble.	The projection TV shut down due to the cooling fan Contact an authorized service center.
	Orange	Thermal warning.

Rear Connections Panel

Connecting cables and external equipment to your TV.



S-VIDEO In
A connection available with some high-end equipment that provides even better picture quality for Video 2.

Video 1 or 2
Connects the video signals from various types of equipment.

Left/Right Audio
Used for stereo sound from various types of equipment.

HDMI
connect a HDMI signal to HDMI.

COLORSTREAM HD 1-2
Connect a ColorStream HD video/audio device to these jacks. Refer to your DVD manual for further information.

UPGRADE PORT
This port is used to upgrade the software version and debug without changing the hardware.
Be careful not to use this port. Just contact your dealer or service centre.

RGB Input
Connect the TV output connector from a PC/DTV to the appropriate input port.

RF Connector: Antenna
Used to connect analog cable or antenna signals to the television, either directly or through your cable box.

Mini glossary

JACK A connection on the back of a TV, VCR, or any other A/V device. This includes the RF jack and the Audio/Video jacks that are color-coded.

SIGNAL Picture and sound traveling through cable, or over the air, to your television screen.

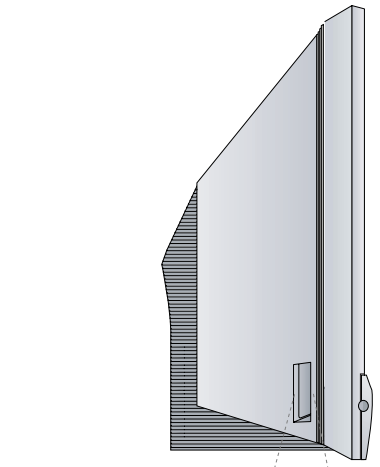
Front Connection Panel

There are four jacks on the left side on your projection TV that make connecting Audio/Video devices like video games and camcorders very simple.

The jacks are like those found on the back jack connection panel. This means that most equipment that connects to those types of jacks on the rear jackpack, may be connected to the front connection panel.

To use the front jacks as the signal source, select them using Main Input menu as described on page 44. They will be named "Front Video" in the Main Input menu.

- If you input both Front Video and S-Video, only the S-Video will work.
- If you're connecting a video game device, make sure to change the picture settings with the Picture Mode option in the PICTURE menu.



Left/Right Audio
Used for stereo sound from various types of equipment.

Video
Connects the video signals from any piece of equipment.

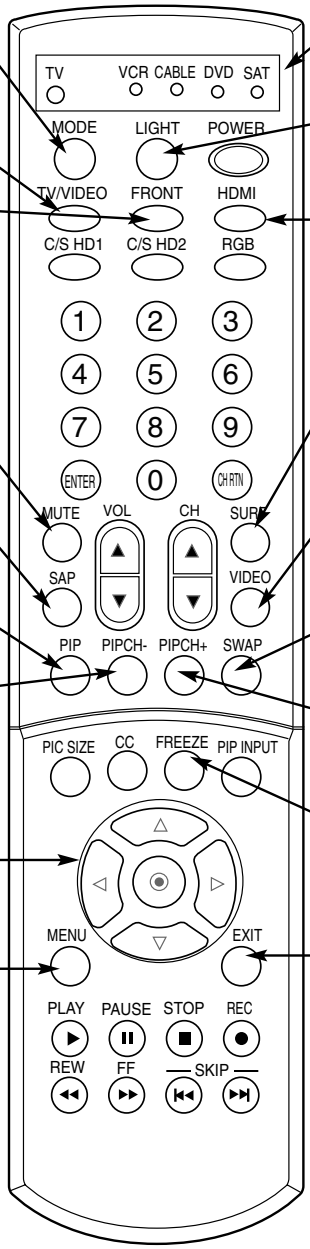
S-Video
A connection available on some very high-end equipment that provides better picture quality than video input.

Mini glossary

A/V CABLES Audio/Video cables. Three cable connectorÑRight audio (red), Left audio (white), and V ideo (yellow). A/V cables are used for stereo playback of videocassettes and for higher quality picture and sound from other A/V devices.

A/V DEVICE Any device that produces video or sound (VCR, DVD, cable box, or television).

Remote Control Functions in TV Mode



MODE
Selects the remote operating mode: TV, VCR, Cable, DVD and Satellite. Select other operating modes, for the remote to control external devices.

TV/VIDEO
Selects: Analog, Video1, Video2, Front Video, Colorstream HD 1-2 and RGB and HDMI input sources .

FRONT
Selects the front video signal if a device, such as a camcorder or game player, is connected to the front video input jack.

MUTE
Switches the sound on or off

SAP
Selects: Mono, Stereo, and SAP.

PIP
Toggles between PIP, POP (Picture-outside-Picture) and Twin picture mode.

PIPCH-
Changes to next lower PIP channel

THUMBSTICK
Allows you to navigate the on-screen menus and to adjust the system settings and preferences, by moving to an option with◂ ▴▾ ▸ and selecting the highlighted option with◉.

MENU
Brings up the main menu to the screen.

INDICATOR LIGHTS
Show active remote mode every time any button is pressed.

LIGHT
Illuminates the remote control keys.

HDMI
Selects: HDMI-DTV and HDMI-PC input sources.

SURF
Scrolls the Surf channel list.

VIDEO
Adjusts the factory preset picture according to the room.

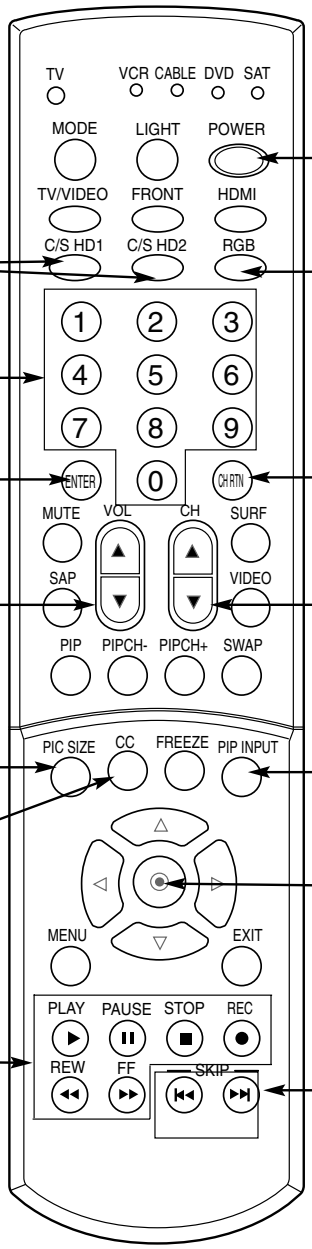
SWAP
Switches the picture from PIP, POP, or twin picture to the main screen.

PIPCH+
Changes to next higher PIP channel.

FREEZE
Freezes the currently-viewed picture. Sub picture is frozen in PIP/DW picture mode.

EXIT
Clears all on-screen displays and returns to TV viewing from any menu.

Remote Control Functions in TV Mode



C/S HD1,HD2
Selects ColorStream HD signal sources, such as DVD or HD receiver.

NUMBER KEYPAD
For direct channel selection and programming functions.

ENTER
When in the menu system and other on-screen displays, selects highlighted options.

VOLUME UP/DOWN
Increases/decreases the sound level.

PIC SIZE
Changes the screen format or aspect ratio.

CC
Selects a closed caption mode for displaying captioning information if available on program.

RECORD, PAUSE, REW, FFWD, PLAY, STOP
Control the functions on your VCR.

POWER
Turns your TV or any other programmed equipment on or off, depending on mode.

RGB
Selects: RGB-DTV and RGB-PC input sources.

CH RTN
Tunes to the last channel viewed.

CHANNEL UP/DOWN
Scrolls through available channels in EZ Scan memory.

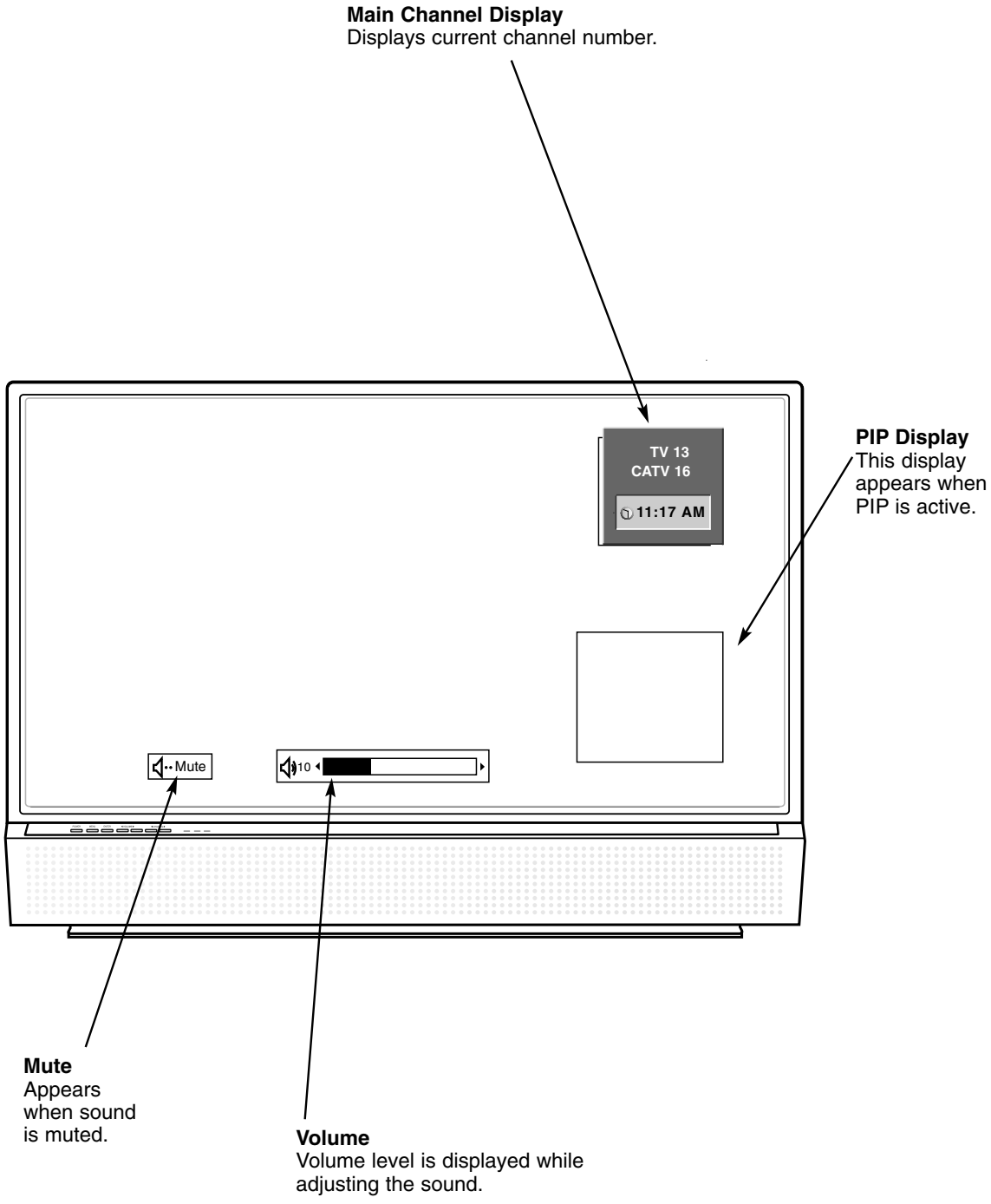
PIP INPUT
Selects the input source for the sub picture.

ENTER
When in the menu system and other on-screen displays, selects highlighted options.

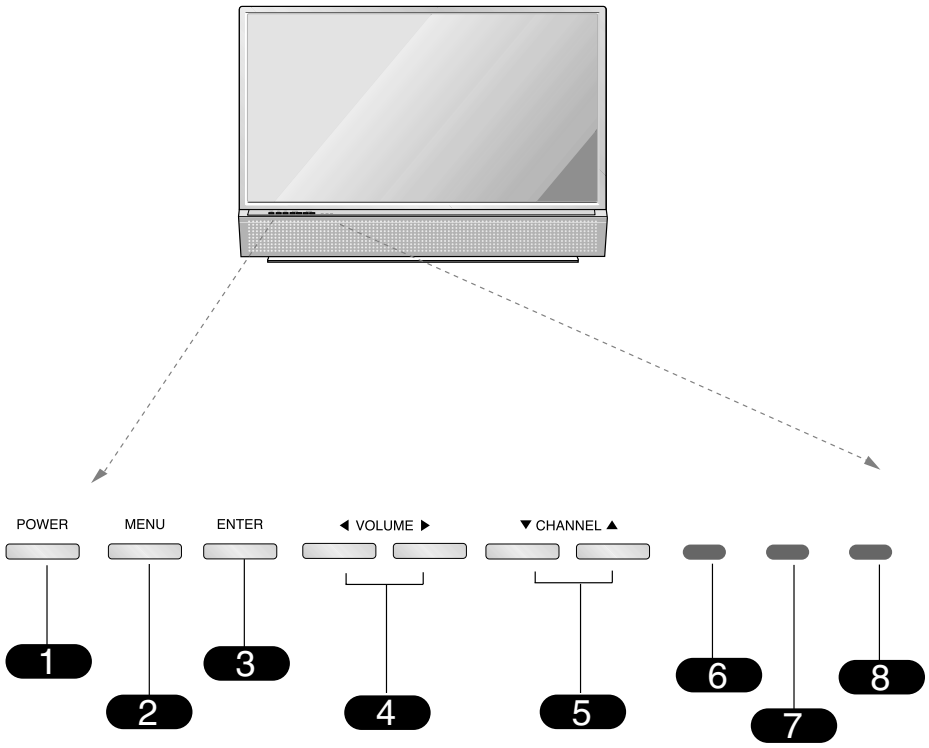
SKIP
Playing CDs: Selects songs.
Playing DVDs: Selects movie chapters.

On-Screen Displays

This page describes your on-screen display and information banner options.



Front Panel Controls



1 POWER

2 MENU

3 ENTER (Same as ENTER button on your remote control)

4 VOLUME UP / DOWN

5 CHANNEL UP / DOWN

6 Operation indicator.

7 Lamp indicator.

8 Temperature indicator.

- See menu pages for instructions on using the on-screen menus.
- The POWER, MENU, ENTER, VOLUME, and CHANNEL buttons work just as they do on your remote control.
- If TV is moved from cold to normal room temperature, condensation may form inside the TV, wait 6~7 hours for the TV to adjust to room temperature before turning it on.

ADJUSTMENT INSTRUCTION

1. Application Object

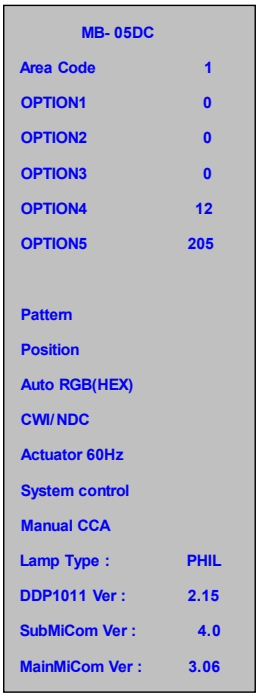
These instructions apply to the DLP Projection TV (Chassis: MB-05DC).

2. Notes

(1) Because this is not a hot chassis,it is not necessary to use an isolation transformer. However, the use of an insolation transformer will help protect test equipment.
(2) The adjustments must be performed in the correct sequence.
(3) The adjustments must be performed in the condition of 25±5°C of temperature and 65±10% of relative humidity if there is no other specific designation.
(4) The input voltage of the receiver must remain AC 120V, 60Hz.
(5) Unless stated otherwise, the set must be operated for at least 5 minutes prior to adjustments.
The heat-run should be performed with a 100% white pattern,but reception of a moving picture may also be possible in unavoidable cases.

3. Composition of Adjustment Mode

(1) Press MENU keys on the set and Remote Controller at the same time for more than 10 sec.
(2) Initial Adjustment mode Menu is shown below. <Fig. 1>



<Fig. 1> Adjustment Mode OSD

(3) As shown <Fig. 1>, using the CH+ (▲), CH- (▼) keys to select an item, press the ENTER Key to enter the appropriate item and begin adjustment.
(4) Change the value of adjustment by using the ENTER Key. To change adjustment item, use the CH+ (▲), CH- (▼) keys in ADJ Mode.
(5) Press the EXIT key to exit, after adjustments.

(6) Preparation for Adjustment
1) Connect the power to TV Set and set "Power on".
2) Allow set to Heat-Run for at least 5 minitues before adjusting.

4. Check the CWI/ NDC Adjustment Movement and Default Data

(Base value --> CWI: 160, NDC: 12)

4-1. Required Test Equipment

Remote Controller.

4-2. Adjustment Preparation and Setting of Device

(1) Connect power and turn Power on.
(2) Using the Remote Controller, enter CWI/ NDC item in Adjustment menu.
(3) Confirm variable operation and base value.
(CWI:160, NDC:12)

5. Check the Actuator Adjustment Movement and Default Data

5-1. Required Test Equipment

Remote Controller.

5-2. Adjustment Preparation and Setting of Device

(1) Connect power and turn Power on.
(2) Using the Remote Controller, enter Actuator 60Hz item in Adjustment menu.
(3) Confirm variable operation and base value of ACT Gain and Phase.
- Phase(Base value : 220)
- Gain(Base value : 70)

6. Screen Position Adjustment

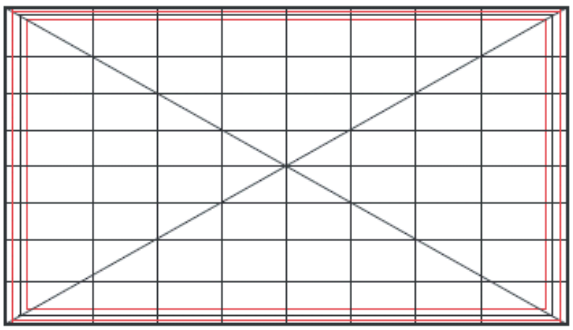
Area code adjustment: default(H: 0, V: 0)

6-1. Required Test Equipment

Remote Controller

6-2. Horizontal Position Adjustment

(1) Enter the adjustment mode.
(2) Select POSITION in the adjustment menu.
(3) The adjustment pattern below appears.



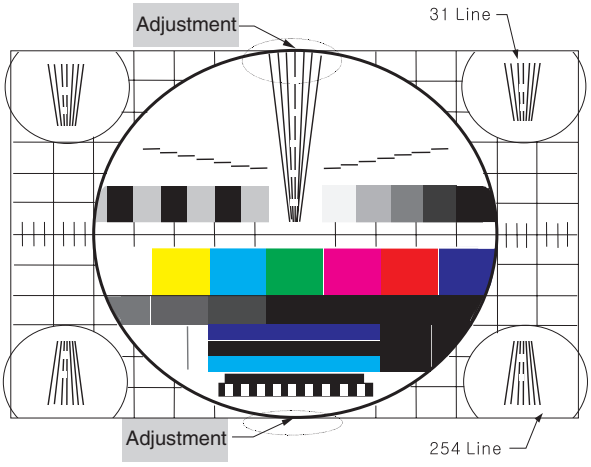
<Fig . 2> Pattern for Screen Position Adjustment

(4) Change data by using the VOLUME keys on the remote control in order to adjust left/right screen symmetry.
(5) In case of over variable range is N.G.

6-3. Vertical Position Adjustment

(1) Change data with using CHANNEL key on the remote Controller in order to adjust Upper/Lower screen symmetry.
(2) In case of over variable range is N.G.

※ After adjustment is completed, recieve a NTSC-M Digital Pattern and check the adjusment level.



<Fig . 3> Digital Pattern

6-4. Area code Adjustment

(1) Enter the adjustment mode.
(2) Select Number 1 to the Area code of the adjustment menu.

7. Auto Color Balance Adjustment

7-1. Required Test Equipment

Remote Controller, MSPG-925FS Pattern Generator
(NTSC, 720p YPbPr output & PC 1024x768 @60Hz with Standard(0.7Vpp)Vertical 100% Color Bar Pattern & Vertical16 Gray Pattern)

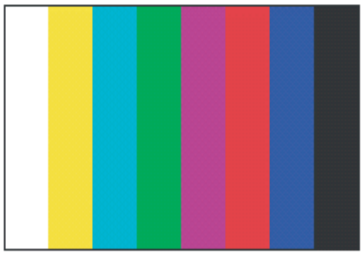
7-2. Preparation for Adjustment

(1) Connect power and turn TV set on.
(2) Perform Heat-Run for at least 5 minutes.
(3) Receive the Component1.
(4) Receive Color bar pattern of MSPG-925FS. <Fig. 4>

7-3. Adjusting the Auto Color Balance

Set TV into component input mode.

(1) Enter the adjustment mode after more than 10 seconds fo receiving the signals(Color Bar Pattern).
(2) In adjustment items, enter the Auto RGB(HEX) and press the (▶) button to enter the adjustment items.
Enter the Auto Color Balance (▶) to Set in the top of menu.
Press the button (▶) to complete and then the "OK" OSD message will be displayed.

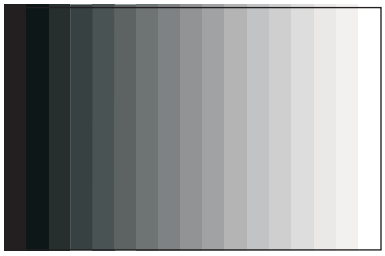


<Fig. 4> COLOR BAR Pattern>

Set TV into PC input (RGB) mode.

(1). Enter to the adjustment mode after receive the signals <Fig. 5> Vertical 16 Gray pattern.

(2). In adjustment items, enter the Auto RGB(HEX) and press the (▶) button to enter the adjustment items.
Enter the Auto Color Balance (▶) to Set in the top of menu. Press the button (▶) to complete and then the "OK" OSD message will be displayed.

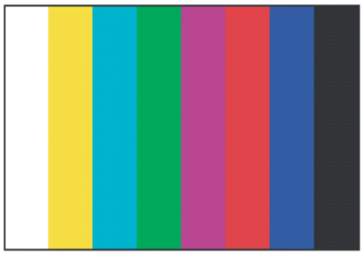


<Fig. 5> Vertical 16 Gray Pattern

Set TV into HD1 color stream mode.

(1). Enter the adjustment mode after receiving the color bar. Color bar pattern(MSPG-925FA 720P/60Hz)

(2). In adjustment items, enter the Auto RGB(HEX) and press the (▶) button to enter the adjustment items.
Enter the Auto Color Balance (▶) to Set in the top of menu and press the (▶) button. If it is completed, the "OK" OSD message is displayed.



<Fig. 6> COLOR BAR Pattern

※ Sub-screen(HUDSON) hand-operated compensation

After adjustment of PC-XGA/60Hz completed, if color sensation of Vertical16 Gray Pattern seems out of order, it can be compensated manually.

(1) Green is too strong , (greenish tone)
1) Menu -> Device -> Hudson
2) ADC G-Offset2 value of menu down.
3) After adjustment completed, press Exit button.

(2) Green is too weak. (violet tone)
1) Menu -> Device -> Hudson
2) ADC G-Offset2 value of menu up.
3) After adjustment completed, press Exit button.

8. Actuator Adjustment

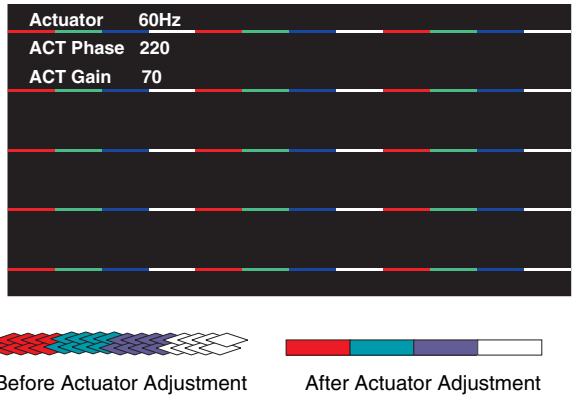
8-1. Required Test Equipment

Remote Controller

8-2. Preparation for Adjustment

(1) Connect a power source to the TV Set and turn TV set on.
(2) Enter to Actuator 60Hz.
(3) ACT Gain and Phase is variable and the Tartan plaid of the R, G, B, W Horizontal Line.
- The Phase(Base value: 220) variable adjust Mutation point of Actuator.
- The Gain(Base value: 70) adjust mutation quantity of Actuator.

※ Adjust ACT Gain and phase so that the Tartan plaid of R, G and B will not be visible.
When the R, G and B will not be ballanced, adjust the R and G to be ballanced.



Before Actuator Adjustment After Actuator Adjustment

<Fig. 7> Test Pattern

9. CWI/NDC Adjustment

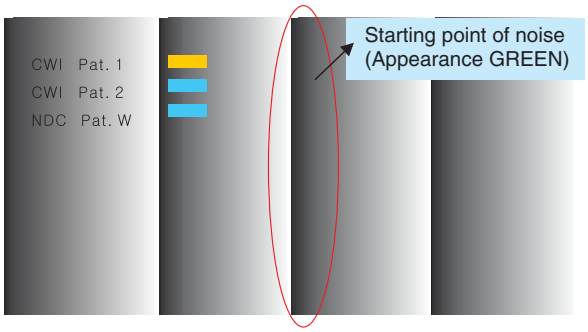
(Base value --> CWI: 160, NDC: 12)

9-1. Required Test Equipment

Remote Controller

9-2. Preparation for Adjustment

(1) Connect power and turn the TV set on.
(2) Enter to CWI/NDC.



<Fig. 8> TEST Pattern(Lamp Gray Pattern)

9-3. Adjustment

(1) Using the channel key, adjust CWI-Pat.1 to the left/right.
(2) During adjustment, check the appearance of noise in the TEST Pattern.
Set the value to reduce green noise in step 3~4.
(3) Using CH UP/DOWN key of the Remote Controller, enter the RED PATTERN.
(4) Check the uniformity of RED Pattern to verify.

<Fig. 9> TEST Pattern(RED Pattern)

9-4. NDC Adjustment

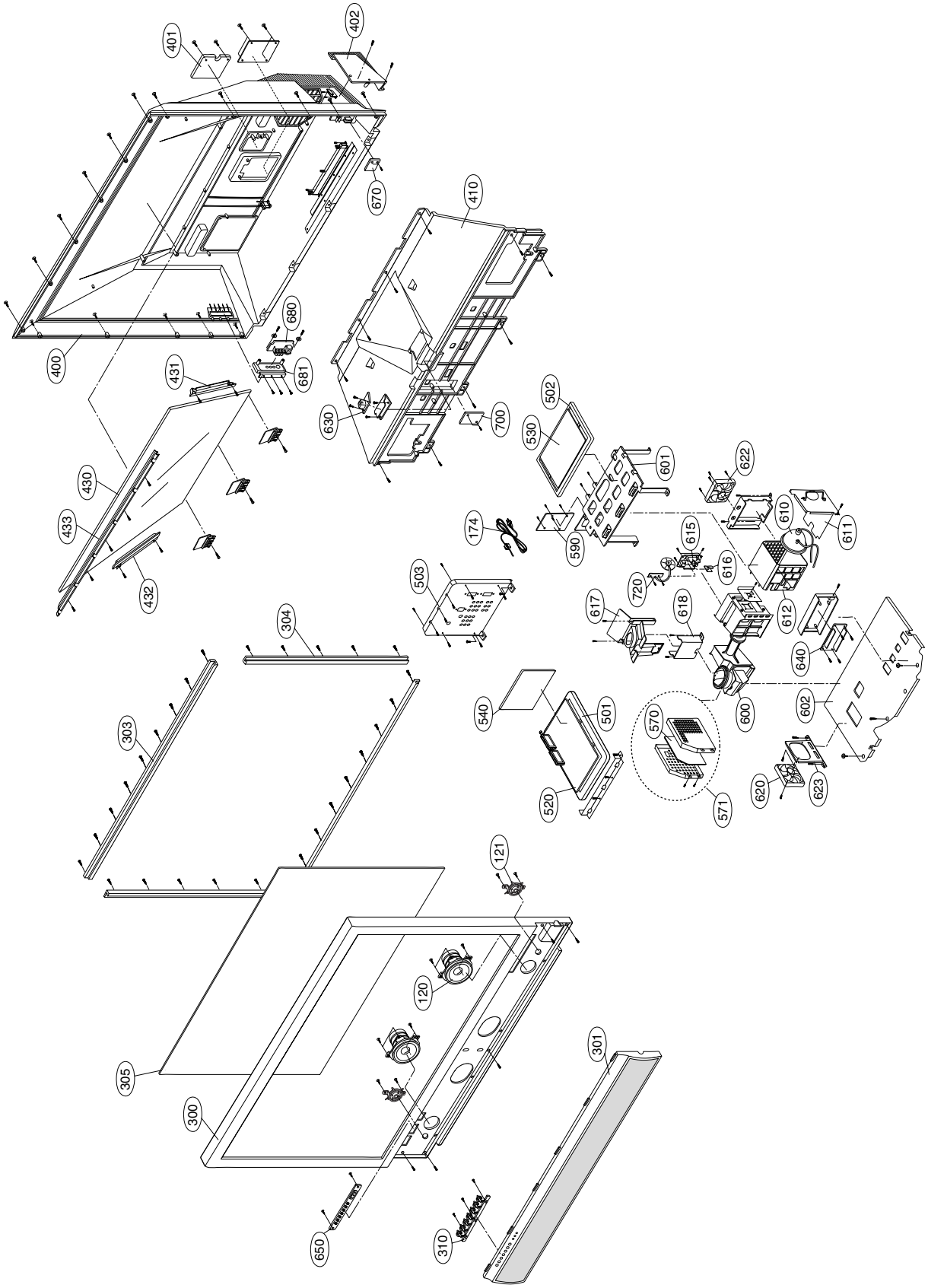
NDC Mode is for compensating the deviation of each Lamp. Adjust Left/Right value with using CH UP/DOWN key on the Remote Controller to set an uniformity for White color.

<Fig. 10> TEST Pattern

The sensitivity of sensor may vary due to the temperature. Thus it may cause color changed bacause of the color wheel angle changed.

EXPLODED VIEW

***The availability of some parts shown is subject to the condition applied.**



CHASSIS AND CABINET REPLACEMENT PARTS LIST

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "SERVICE SAFETY PRECAUTIONS" ON PAGE 3 OF THIS MANUAL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the SERVICE SAFETY PRECAUTIONS. Do not degrade the safety of the receiver through improper servicing.

NOTICE:

- *The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.*
- *The PC board assembly with * mark is no longer available after the end of the production.*

Model : 44HM85

Capacitors	CD	:	Ceramic Disk	PF	:	Plastic Film	EL	: Electrolytic
Resistors	CF	:	Carbon Film	CC	:	Carbon Composition	MF	: Metal Film
	OMF	:	Oxide Metal Film	VR	:	Variable Resistor	FR	: Fusible Resistor

(All CD and PF capacitors are ±5%, 50V and all resistors, ±5%, 1/6W unless otherwise noted.)

***The availability of some parts listed is subject to the condition applied.**

Location No.	Parts No.	Reference	Description
CAPACITORS			
C2	72782108	0CN1030F679	TUBULAR(HI, 10000PF D 16V 20% X5
C3	72782107	0CN1010K519	TUBULAR(HI, 100PF D 50V 10% B(Y5
C4	72782107	0CN1010K519	TUBULAR(HI, 100PF D 50V 10% B(Y5
C38	72782123	0CK225DFK4A	CERAMIC, 2.2UF 2012 16V 20%, -
C39	72782123	0CK225DFK4A	CERAMIC, 2.2UF 2012 16V 20%, -
C40	72782143	0CE227SF6DC	ELECTROLYTIC, 220UF MVG 16V 20% R/
C41	72782149	0CE475SK6DC	ELECTROLYTIC, 4.7UF MVG 50V 20% SM
C42	72782149	0CE475SK6DC	ELECTROLYTIC, 4.7UF MVG 50V 20% SM
C49	72782123	0CK225DFK4A	CERAMIC, 2.2UF 2012 16V 20%, -
C50	72782123	0CK225DFK4A	CERAMIC, 2.2UF 2012 16V 20%, -
C52	72782123	0CK225DFK4A	CERAMIC, 2.2UF 2012 16V 20%, -
C53	72782123	0CK225DFK4A	CERAMIC, 2.2UF 2012 16V 20%, -
C55	72782123	0CK225DFK4A	CERAMIC, 2.2UF 2012 16V 20%, -
C57	72782123	0CK225DFK4A	CERAMIC, 2.2UF 2012 16V 20%, -
C58	72782143	0CE227SF6DC	ELECTROLYTIC, 220UF MVG 16V 20% R/
C61	72782123	0CK225DFK4A	CERAMIC, 2.2UF 2012 16V 20%, -
C65	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C66	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C72	72782135	0CE107SF6DC	ELECTROLYTIC, 100UF MVG 16V 20% SM
C88	72782135	0CE107SF6DC	ELECTROLYTIC, 100UF MVG 16V 20% SM
C91	72782123	0CK225DFK4A	CERAMIC, 2.2UF 2012 16V 20%, -
C96	72782123	0CK225DFK4A	CERAMIC, 2.2UF 2012 16V 20%, -
C97	72782123	0CK225DFK4A	CERAMIC, 2.2UF 2012 16V 20%, -
C150	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C151	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C152	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C153	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C154	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C155	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C156	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C157	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C158	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C159	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C160	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C161	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C172	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C180	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C189	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C209	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C211	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C215	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C241	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C242	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD

Location No.	Parts No.	Reference	Description
C259	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C276	72782142	0CE227SC6DC	ELECTROLYTIC, 220UF MVG 6.3V 20% S
C311	72782142	0CE227SC6DC	ELECTROLYTIC, 220UF MVG 6.3V 20% S
C321	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C400	72782131	0CE105SK6DC	ELECTROLYTIC, 1UF MVG 50V 20% SMD
C402	72782153	0CE476SF6DC	ELECTROLYTIC, 47UF MVG 16V 20% SMD
C403	72795164	0CC221CK41A	CERAMIC, 220PF 1608 50V 5% R/
C404	72782153	0CE476SF6DC	ELECTROLYTIC, 47UF MVG 16V 20% SMD
C405	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C406	72782135	0CE107SF6DC	ELECTROLYTIC, 100UF MVG 16V 20% SM
C407	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C408	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C409	72782116	0CK103CK56A	CERAMIC, 0.01UF 1608 50V 10%
C410	72782153	0CE476SF6DC	ELECTROLYTIC, 47UF MVG 16V 20% SMD
C411	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C412	72782119	0CK105CD56A	CERAMIC, 1UF 1608 10V 10% R/T
C413	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C414	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C415	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C416	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C417	72782153	0CE476SF6DC	ELECTROLYTIC, 47UF MVG 16V 20% SMD
C418	72782142	0CE227SC6DC	ELECTROLYTIC, 220UF MVG 6.3V 20% S
C420	72782131	0CE105SK6DC	ELECTROLYTIC, 1UF MVG 50V 20% SMD
C422	72782142	0CE227SC6DC	ELECTROLYTIC, 220UF MVG 6.3V 20% S
C423	72782142	0CE227SC6DC	ELECTROLYTIC, 220UF MVG 6.3V 20% S
C426	72782149	0CE475SK6DC	ELECTROLYTIC, 4.7UF MVG 50V 20% SM
C434	72782149	0CE475SK6DC	ELECTROLYTIC, 4.7UF MVG 50V 20% SM
C435	72782149	0CE475SK6DC	ELECTROLYTIC, 4.7UF MVG 50V 20% SM
C440	72782149	0CE475SK6DC	ELECTROLYTIC, 4.7UF MVG 50V 20% SM
C441	72782149	0CE475SK6DC	ELECTROLYTIC, 4.7UF MVG 50V 20% SM
C443	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C445	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C446	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C447	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C448	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C449	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C450	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C452	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C454	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C455	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C456	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C481	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C482	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C511	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C515	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C517	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C519	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C523	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C526	72782146	0CE336SH6DC	ELECTROLYTIC, 33UF MVG 25V 20% SMD
C527	72782146	0CE336SH6DC	ELECTROLYTIC, 33UF MVG 25V 20% SMD
C528	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C529	72782146	0CE336SH6DC	ELECTROLYTIC, 33UF MVG 25V 20% SMD
C530	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C531	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C532	72782146	0CE336SH6DC	ELECTROLYTIC, 33UF MVG 25V 20% SMD
C533	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C535	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C554	72782153	0CE476SF6DC	ELECTROLYTIC, 47UF MVG 16V 20% SMD
C555	72782133	0CE106SH6DC	ELECTROLYTIC, 10UF MVG 25V 20% SMD
C556	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C557	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C569	72782135	0CE107SF6DC	ELECTROLYTIC, 100UF MVG 16V 20% SM
C575	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C576	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C580	72782145	0CE335SK6DC	ELECTROLYTIC, 3.3UF MVG 50V 20% SM
C590	72782145	0CE335SK6DC	ELECTROLYTIC, 3.3UF MVG 50V 20% SM
C598	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C600	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C601	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C602	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C603	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C604	72782145	0CE335SK6DC	ELECTROLYTIC, 3.3UF MVG 50V 20% SM

Location No.	Parts No.	Reference	Description
C605	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C606	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C607	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C608	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C609	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C610	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C611	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C612	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C613	72782145	0CE335SK6DC	ELECTROLYTIC, 3.3UF MVG 50V 20% SM
C614	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C615	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C616	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C617	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C618	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C619	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C620	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C621	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C622	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C623	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C624	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C625	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C626	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C627	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C628	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C629	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C630	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C631	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C632	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C633	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C634	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C635	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C636	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C637	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C638	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C639	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C640	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C641	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C642	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C643	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C644	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C645	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C646	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C647	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C648	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C649	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C650	72796129	0CC270CK41A	CERAMIC, 27PF 1608 50V 5% R/T
C651	72796129	0CC270CK41A	CERAMIC, 27PF 1608 50V 5% R/T
C652	72796129	0CC270CK41A	CERAMIC, 27PF 1608 50V 5% R/T
C653	72796129	0CC270CK41A	CERAMIC, 27PF 1608 50V 5% R/T
C654	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C655	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C700	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C701	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C702	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C704	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C706	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C707	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C709	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C710	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C711	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C712	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C713	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C714	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C715	72782135	0CE107SF6DC	ELECTROLYTIC, 100UF MVG 16V 20% SM
C716	72782146	0CE336SH6DC	ELECTROLYTIC, 33UF MVG 25V 20% SMD
C717	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C718	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C719	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C720	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C721	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C722	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C723	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R

Location No.	Parts No.	Reference	Description
C724	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C725	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C726	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C727	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C728	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C729	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C730	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C731	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C732	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C733	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C734	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C735	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C736	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C737	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C738	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C739	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C740	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C741	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C742	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C743	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C744	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C745	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C746	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C747	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C748	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C749	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C750	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C751	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C752	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C753	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C754	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C755	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C756	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C757	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C758	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C759	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C760	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C761	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C762	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C763	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C764	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C765	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C766	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C767	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C768	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C769	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C770	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C771	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C772	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C773	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C774	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C775	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C776	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C777	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C778	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C779	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C780	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C783	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C784	72782146	0CE336SH6DC	ELECTROLYTIC, 33UF MVG 25V 20% SMD
C800	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C801	72782094	0CQZVBK002C	DRAWING, A.C 275V 0.22UF K (S
C802	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C803	72782094	0CQZVBK002C	DRAWING, A.C 275V 0.22UF K (S
C804	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C805	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C806	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C807	72782113	0CK10202510	CERAMIC, 1000PF D 2KV 10% B(Y
C808	72782111	0CC680CK41A	CERAMIC, 68PF 1608 50V 5% R/T
C809	72782111	0CC680CK41A	CERAMIC, 68PF 1608 50V 5% R/T
C810	72782115	0CK1030K945	CERAMIC, 0.01UF D 50V 80%, -20
C811	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C812	72782096	181-007H	DRAWING, MPE ECQ-V1H474JL3(TR

Location No.	Parts No.	Reference	Description
C813	72782111	0CC680CK41A	CERAMIC, 68PF 1608 50V 5% R/T
C814	72782111	0CC680CK41A	CERAMIC, 68PF 1608 50V 5% R/T
C815	72782112	0CK1010K515	CERAMIC, 100PF D 50V 10% B(Y5
C816	72782110	0CC100CK11A	CERAMIC, 10PF 1608 50V 0.5 PF
C817	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C818	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C819	72782111	0CC680CK41A	CERAMIC, 68PF 1608 50V 5% R/T
C820	72782095	181-001K	DRAWING, CE 450V 220UF M LUG(
C821	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C822	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C823	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C824	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C825	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C826	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C827	72782153	0CE476SF6DC	ELECTROLYTIC, 47UF MVG 16V 20% SMD
C828	72795170	0CC471CK41A	CERAMIC, 470PF 1608 50V 5% R/
C829	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C830	72782135	0CE107SF6DC	ELECTROLYTIC, 100UF MVG 16V 20% SM
C831	72782135	0CE107SF6DC	ELECTROLYTIC, 100UF MVG 16V 20% SM
C832	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C833	72782109	0CC1000K115	CERAMIC, 10PF D 50V 0.5 PF NP
C834	72782117	0CK1040K945	CERAMIC, 0.1UF D 50V 80%, -20%
C835	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C836	72782097	181-011B	DRAWING, 0.001UF D 1.6KV J M/
C837	72782100	181-091N	DRAWING, SL 100PF 1KV 10%, -10
C838	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C839	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C840	72782117	0CK1040K945	CERAMIC, 0.1UF D 50V 80%, -20%
C841	72782117	0CK1040K945	CERAMIC, 0.1UF D 50V 80%, -20%
C842	72782117	0CK1040K945	CERAMIC, 0.1UF D 50V 80%, -20%
C843	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C844	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C845	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C846	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C847	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C851	72782137	0CE108DH618	ELECTROLYTIC, 1000UF STD 25V M FL
C852	72782141	0CE227DH618	ELECTROLYTIC, 220UF STD 25V M FL T
C853	72782101	181-091Q	DRAWING, R 470PF 1KV 10%, -10%
C857	72782130	0CE105BK618	ELECTROLYT, 1UF KME 50V M FL TP5
C861	72782147	0CE338EF618	ELECTROLYTIC, 3300UF KMG, RD 16V 20
C862	72782155	0CE477DF618	ELECTROLYTIC, 470UF STD 16V 20% FL TP 5
C863	72782101	181-091Q	DRAWING, R 470PF 1KV 10%, -10%
C866	72782100	181-091N	DRAWING, SL 100PF 1KV 10%, -10
C867	72782100	181-091N	DRAWING, SL 100PF 1KV 10%, -10
C868	72782100	181-091N	DRAWING, SL 100PF 1KV 10%, -10
C869	72782100	181-091N	DRAWING, SL 100PF 1KV 10%, -10
C870	72782117	0CK1040K945	CERAMIC, 0.1UF D 50V 80%, -20%
C871	72782154	0CE478EHK50	ELECTROLYTIC, 4700UF KMG, RD 25V 20
C873	72782100	181-091N	DRAWING, SL 100PF 1KV 10%, -10
C874	72782148	0CE475BK618	ELECTROLYTIC, 4.7UF KME TYPE 50V 2
C881	72782147	0CE338EF618	ELECTROLYTIC, 3300UF KMG, RD 16V 20
C882	72782155	0CE477DF618	ELECTROLYTIC, 470UF STD 16V 20% FL TP 5
C883	72782101	181-091Q	DRAWING, R 470PF 1KV 10%, -10%
C891	72782144	0CE228EK650	ELECTROLYTIC, 2200UF KMG 50V 20% F
C892	72782139	0CE2276K618	ELECTROLYTIC, 220UF SMS, SG 50V 20%
C893	72782101	181-091Q	DRAWING, R 470PF 1KV 10%, -10%
C894	72782135	0CE107SF6DC	ELECTROLYTIC, 100UF MVG 16V 20% SM
C898	72782102	181-120L	DRAWING, 3300PF 4KV M E FMTW
C899	72782098	181-035U	DRAWING, DE1B3KX471KA5B 470PF
C901	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C902	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C904	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C905	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C906	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C907	72782103	0CN105EJ56A	FIXED TUBU, 1.0UF 3216 35V 10% R
C908	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C909	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C910	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C911	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C912	72782104	0CN106FF66A	FIXED TUBU, 10UF 3225 16V 20% R/
C913	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C914	72782103	0CN105EJ56A	FIXED TUBU, 1.0UF 3216 35V 10% R

Location No.	Parts No.	Reference	Description
C915	72782105	0CN106KH67A	FIXED TUBU, 10UF 4532 25V 20% R/
C917	72782142	0CE227SC6DC	ELECTROLYTIC, 220UF MVG 6.3V 20% S
C919	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C920	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C921	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C922	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C923	72782103	0CN105EJ56A	FIXED TUBU, 1.0UF 3216 35V 10% R
C938	72782142	0CE227SC6DC	ELECTROLYTIC, 220UF MVG 6.3V 20% S
C942	72782142	0CE227SC6DC	ELECTROLYTIC, 220UF MVG 6.3V 20% S
C943	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C944	72782135	0CE107SF6DC	ELECTROLYTIC, 100UF MVG 16V 20% SM
C947	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C949	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C950	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C951	72782145	0CE335SK6DC	ELECTROLYTIC, 3.3UF MVG 50V 20% SM
C952	72782145	0CE335SK6DC	ELECTROLYTIC, 3.3UF MVG 50V 20% SM
C957	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C958	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C959	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C960	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C963	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C964	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C965	72782124	0CK272CK46A	CERAMIC, 2700PF 1608 50V 5% X
C966	72782126	0CK472CK56A	CERAMIC, 4700PF 1608 50V 10%
C967	72782124	0CK272CK46A	CERAMIC, 2700PF 1608 50V 5% X
C968	72782122	0CK224DH56A	CERAMIC, 0.22UF 2012 25V 10%
C969	72782103	0CN105EJ56A	FIXED TUBU, 1.0UF 3216 35V 10% R
C970	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C971	72782024	0CC102CK41A	CERAMIC, 1000PF 1608 50V 5% R
C972	72782024	0CC102CK41A	CERAMIC, 1000PF 1608 50V 5% R
C973	72782024	0CC102CK41A	CERAMIC, 1000PF 1608 50V 5% R
C974	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C975	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C976	72782145	0CE335SK6DC	ELECTROLYTIC, 3.3UF MVG 50V 20% SM
C977	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C978	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C979	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C980	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C981	72782106	0CN475ED66A	FIXED TUBU, 4.7UF 3216 10V 20% R
C982	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C983	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C984	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C985	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C988	72782142	0CE227SC6DC	ELECTROLYTIC, 220UF MVG 6.3V 20% S
C989	72782153	0CE476SF6DC	ELECTROLYTIC, 47UF MVG 16V 20% SMD
C990	72782153	0CE476SF6DC	ELECTROLYTIC, 47UF MVG 16V 20% SMD
C999	72782142	0CE227SC6DC	ELECTROLYTIC, 220UF MVG 6.3V 20% S
C1002	72782142	0CE227SC6DC	ELECTROLYTIC, 220UF MVG 6.3V 20% S
C1037	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C1038	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C1044	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C1065	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C1100	72782145	0CE335SK6DC	ELECTROLYTIC, 3.3UF MVG 50V 20% SM
C1101	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C1102	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1103	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1104	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1105	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1106	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1107	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1108	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1109	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C1110	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C1111	72782116	0CK103CK56A	CERAMIC, 0.01UF 1608 50V 10%
C1112	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1113	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1114	72782116	0CK103CK56A	CERAMIC, 0.01UF 1608 50V 10%
C1115	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1116	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1120	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C1121	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C1122	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R

Location No.	Parts No.	Reference	Description
C1123	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1124	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1125	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1126	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1127	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1128	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1129	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1130	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1131	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1132	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1133	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1134	72782116	0CK103CK56A	CERAMIC, 0.01UF 1608 50V 10%
C1135	72782116	0CK103CK56A	CERAMIC, 0.01UF 1608 50V 10%
C1136	72782116	0CK103CK56A	CERAMIC, 0.01UF 1608 50V 10%
C1137	72782116	0CK103CK56A	CERAMIC, 0.01UF 1608 50V 10%
C1138	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C1139	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C1140	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C1141	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1142	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1143	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1144	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1145	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1146	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1147	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1148	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1149	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1150	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1151	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1152	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1153	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1154	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1155	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1156	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1157	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1158	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1159	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1160	72795168	0CC331CK41A	CERAMIC, 330PF 1608 50V 5% R/
C1161	72782142	0CE227SC6DC	ELECTROLYTIC, 220UF MVG 6.3V 20% S
C1162	72795168	0CC331CK41A	CERAMIC, 330PF 1608 50V 5% R/
C1163	72782142	0CE227SC6DC	ELECTROLYTIC, 220UF MVG 6.3V 20% S
C1164	72782116	0CK103CK56A	CERAMIC, 0.01UF 1608 50V 10%
C1165	72782116	0CK103CK56A	CERAMIC, 0.01UF 1608 50V 10%
C1166	72782116	0CK103CK56A	CERAMIC, 0.01UF 1608 50V 10%
C1167	72782116	0CK103CK56A	CERAMIC, 0.01UF 1608 50V 10%
C1168	72782116	0CK103CK56A	CERAMIC, 0.01UF 1608 50V 10%
C1169	72782116	0CK103CK56A	CERAMIC, 0.01UF 1608 50V 10%
C1170	72782116	0CK103CK56A	CERAMIC, 0.01UF 1608 50V 10%
C1171	72782116	0CK103CK56A	CERAMIC, 0.01UF 1608 50V 10%
C1172	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1173	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C1174	72782140	0CE227BJ618	ELECTROLYTIC, 220UF KME TYPE 35V 2
C1175	72782118	0CK104CF56A	CERAMIC, 0.1UF 1608 16V 10% R
C1178	72782153	0CE476SF6DC	ELECTROLYTIC, 47UF MVG 16V 20% SMD
C1182	72782153	0CE476SF6DC	ELECTROLYTIC, 47UF MVG 16V 20% SMD
C1189	72782129	0CF4741L438	FIXED FILM, 0.47UF D 63V 5% TP 5
C1191	72782121	0CK105EK56A	CERAMIC, 1UF 3216 50V 10% X7R
C1192	72782120	0CK105DF64A	CERAMIC, 1UF 2012 16V 20% F(Y
C1196	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C1199	72782129	0CF4741L438	FIXED FILM, 0.47UF D 63V 5% TP 5
C1200	72782153	0CE476SF6DC	ELECTROLYTIC, 47UF MVG 16V 20% SMD
C1202	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C1203	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C1204	72782136	0CE107VH6DC	ELECTROLYTIC, 100UF MV 25V 20% R/T
C1210	72782120	0CK105DF64A	CERAMIC, 1UF 2012 16V 20% F(Y
C1216	72782132	0CE106SF6DC	ELECTROLYTIC, 10UF MVG 16V 20% R/T
C1228	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C1229	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C1232	72782135	0CE107SF6DC	ELECTROLYTIC, 100UF MVG 16V 20% SM
C1235	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C1236	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD
C1237	72782138	0CE226SF6DC	ELECTROLYTIC, 22UF MVG 16V 20% SMD

Location No.	Parts No.	Reference	Description
C1248	72782135	0CE107SF6DC	ELECTROLYTIC, 100UF MVG 16V 20% SM
C1249	72782153	0CE476SF6DC	ELECTROLYTIC, 47UF MVG 16V 20% SMD
C1250	72782153	0CE476SF6DC	ELECTROLYTIC, 47UF MVG 16V 20% SMD
C1251	72782153	0CE476SF6DC	ELECTROLYTIC, 47UF MVG 16V 20% SMD
RESISTORS			
AR100	72782373	0RRZVTA001D	22 OHM 1 / 16 W 1608
AR101	72782373	0RRZVTA001D	22 OHM 1 / 16 W 1608
AR113	72782373	0RRZVTA001D	22 OHM 1 / 16 W 1608
AR114	72782373	0RRZVTA001D	22 OHM 1 / 16 W 1608
AR115	72782373	0RRZVTA001D	22 OHM 1 / 16 W 1608
AR116	72782373	0RRZVTA001D	22 OHM 1 / 16 W 1608
AR598	72782373	0RRZVTA001D	22 OHM 1 / 16 W 1608
R1	72782337	0RD0752F609	CARBON FILM, 75 OHM 1/6 W 5.00% T
R2	72782359	0RD4703F609	CARBON FILM, 470K OHM 1/6 W 5.00%
R3	72782359	0RD4703F609	CARBON FILM, 470K OHM 1/6 W 5.00%
R4	72782337	0RD0752F609	CARBON FILM, 75 OHM 1/6 W 5.00% T
R5	72782337	0RD0752F609	CARBON FILM, 75 OHM 1/6 W 5.00% T
R800	72782372	0RKZVTA001B	4.7M OHM 1/2 W 5% TA
R801	72782372	0RKZVTA001B	4.7M OHM 1/2 W 5% TA
R802	72782372	0RKZVTA001B	4.7M OHM 1/2 W 5% TA
R810	72782347	0RD2204F609	CARBON FILM, 2.2M OHM 1/6 W 5.00%
R811	72782347	0RD2204F609	CARBON FILM, 2.2M OHM 1/6 W 5.00%
R812	72782352	0RD3302F609	CARBON FILM, 33K OHM 1/6 W 5% TA5
R813	72782340	0RD1002F609	CARBON FILM, 10K OHM 1/6 W 5% TA5
R814	72782368	0RN5603G409	FIXED METAL, 560K OHM 1/4 W 1.00%
R815	72782367	0RN5103G409	FIXED METAL, 510K OHM 1/4 W 1% TA
R816	72782367	0RN5103G409	FIXED METAL, 510K OHM 1/4 W 1% TA
R817	72782367	0RN5103G409	FIXED METAL, 510K OHM 1/4 W 1% TA
R818	72782346	0RD2202F609	CARBON FILM, 22K OHM 1/6 W 5% TA5
R819	72782362	0RD5602F609	CARBON FILM, 56K OHM 1/6 W 5% TA5
R820	72782331	0RD0102F609	CARBON FILM, 10 OHM 1/6 W 5% TA52
R821	72782342	0RD1003F609	CARBON FILM, 100K OHM 1/6 W 5% TA
R823	72782375	180-A01P	0.13 OHM 2 W 5% TA62
R824	72782346	0RD2202F609	CARBON FILM, 22K OHM 1/6 W 5% TA5
R831	72782334	0RD0272A609	CARBON FILM, 27 OHM 1/2 W(7.0) 5.
R832	72782364	0RD6802F609	CARBON FILM, 68K OHM 1/6 W 5.00%
R833	72782363	0RD6801F609	CARBON FILM, 6.8K OHM 1/6 W 5.00%
R834	72782338	0RD1000F609	CARBON FILM, 100 OHM 1/6 W 5% TA5
R835	72782332	0RD0152F609	CARBON FILM, 15 OHM 1/6 W 5.00% T
R836	72782339	0RD1001F609	CARBON FILM, 1K OHM 1/6 W 5% TA52
R837	72782374	180-A01M	0.22 OHM 2 W 5% TA62 RW ROUND G 2W 0.22 J TA31(6
R838	72782355	0RD4300F609	CARBON FILM, 430 OHM 1/6 W 5.00%
R839	72782351	0RD3001F609	CARBON FILM, 3K OHM 1/6 W 5.00% T
R840	72782338	0RD1000F609	CARBON FILM, 100 OHM 1/6 W 5% TA5
R841	72782371	0RS1003K607	FIXED METAL, 100K OHM 2 W 5.00% T
R842	72782357	0RD4700H609	CARBON FILM, 470 OHM 1/2 W 5.00%
R843	72782357	0RD4700H609	CARBON FILM, 470 OHM 1/2 W 5.00%
R844	72782358	0RD4702F609	CARBON FILM, 47K OHM 1/6 W 5% TA5
R845	72782335	0RD0302F609	CARBON FILM, 30 OHM 1/6 W 5.00% T
R850	72782365	0RN3303G409	FIXED METAL, 330K OHM 1/4 W 1.00%
R851	72782345	0RD2001F609	CARBON FILM, 2K OHM 1/6 W 5% TA52
R852	72782343	0RD1302F609	CARBON FILM, 13K OHM 1/6 W 5.00%
R853	72782350	0RD3000F609	CARBON FILM, 300 OHM 1/6 W 5.00%
R854	72782356	0RD4301F609	CARBON FILM, 4.3K OHM 1/6 W 5.00%
R855	72782344	0RD1501F609	CARBON FILM, 1.5K OHM 1/6 W 5% TA
R856	72782361	0RD5600F609	CARBON FILM, 560 OHM 1/6 W 5% TA5
R857	72782360	0RD5100F609	CARBON FILM, 510 OHM 1/6 W 5.00%
R865	72782353	0RD3601F609	CARBON FILM, 3.6K OHM 1/6 W 5.00%
R866	72782354	0RD3901F609	CARBON FILM, 3.9K OHM 1/6 W 5% TA
R867	72782360	0RD5100F609	CARBON FILM, 510 OHM 1/6 W 5.00%
R872	72782365	0RN3303G409	FIXED METAL, 330K OHM 1/4 W 1.00%
R873	72782349	0RD2703G609	CARBON FILM, 270K OHM 1/4 W 5.00%
R874	72782366	0RN5101F609	FIXED METAL, 5.1K OHM 1/6 W 5.00%
R875	72782340	0RD1002F609	CARBON FILM, 10K OHM 1/6 W 5% TA5
R876	72782339	0RD1001F609	CARBON FILM, 1K OHM 1/6 W 5% TA52
R877	72782336	0RD0391F609	CARBON FILM, 3.9 OHM 1/6 W 5.00%
R891	72782341	0RD1002H609	CARBON FILM, 10K OHM 1/2 W 5.00%
R892	72782370	0RS1001K607	FIXED METAL, 1K OHM 2 W 5.00% TA6
R893	72782370	0RS1001K607	FIXED METAL, 1K OHM 2 W 5.00% TA6
R894	72782339	0RD1001F609	CARBON FILM, 1K OHM 1/6 W 5% TA52
R895	72782369	0RN9101F409	FIXED METAL, 9.1K OHM 1/6 W 1.00%

Location No.	Parts No.	Reference	Description
R896	72782348	0RD2401F609	CARBON FILM, 2.4K OHM 1/6 W 5.00%
R897	72782339	0RD1001F609	CARBON FILM, 1K OHM 1/6 W 5% TA52
R898	72782372	0RKZVTA001B	4.7M OHM 1/2 W 5% TA
R899	72782333	0RD0271A609	CARBON FILM, 2.7 OHM 1/2 W(7.0) 5
F861	72782376	180-D02Y	0.045 OHM 1/2 W 10%
J831	72782376	180-D02Y	0.045 OHM 1/2 W 10%
COIL & TRANSFORMERS			
L1	72782301	0LA0102K119	INDUCTOR, AXIAL, LEAD, 10UH K 2.3*3.4 TP
L30	72782240	6200JB8010L	FILTER, EMI, MLB-201209-1000L-N2
L31	72782240	6200JB8010L	FILTER, EMI, MLB-201209-1000L-N2
L32	72782240	6200JB8010L	FILTER, EMI, MLB-201209-1000L-N2
L33	72782240	6200JB8010L	FILTER, EMI, MLB-201209-1000L-N2
L34	72782243	6210VC0006A	FILTER, EMI, FBMH3216 HM501NT TAI
L144	72782233	0LCML00002B	FILTER, EMI, MLB-321611-0050P-N1
L159	72782232	0LCML00002A	FILTER, EMI, MLB-321611-0120A-N1
L161	72782233	0LCML00002B	FILTER, EMI, MLB-321611-0050P-N1
L163	72782232	0LCML00002A	FILTER, EMI, MLB-321611-0120A-N1
L167	72782232	0LCML00002A	FILTER, EMI, MLB-321611-0120A-N1
L183	72782163	6140VB0023A	COIL, CHOKE, SB7032-751 GET 750UH
L214	72782232	0LCML00002A	FILTER, EMI, MLB-321611-0120A-N1
L215	72782164	6140VB0032A	COIL, CHOKE, DBF-1015A DONGBANG D
L216	72782232	0LCML00002A	FILTER, EMI, MLB-321611-0120A-N1
L217	72782164	6140VB0032A	COIL, CHOKE, DBF-1015A DONGBANG D
L218	72782232	0LCML00002A	FILTER, EMI, MLB-321611-0120A-N1
L219	72782232	0LCML00002A	FILTER, EMI, MLB-321611-0120A-N1
L220	72782164	6140VB0032A	COIL, CHOKE, DBF-1015A DONGBANG D
L221	72782232	0LCML00002A	FILTER, EMI, MLB-321611-0120A-N1
L222	72782164	6140VB0032A	COIL, CHOKE, DBF-1015A DONGBANG D
L238	72782243	6210VC0006A	FILTER, EMI, FBMH3216 HM501NT TAI
L403	72782160	6140VR0009A	COIL, ENERGY RECOVERY, SP7835-331 GET 1UEW
L405	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L406	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L505	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L601	72782233	0LCML00002B	FILTER, EMI, MLB-321611-0050P-N1
L602	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L603	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L604	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L605	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L606	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L607	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L700	72782235	0LCML00004A	FILTER, EMI, MLB-160808-0068L-N2
L702	72782235	0LCML00004A	FILTER, EMI, MLB-160808-0068L-N2
L704	72782233	0LCML00002B	FILTER, EMI, MLB-321611-0050P-N1
L705	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L800	72782235	0LCML00004A	FILTER, EMI, MLB-160808-0068L-N2
L801	72782241	6200JB8012T	FILTER, EMI, SQE2828 NAMYANG BK 1
L802	72782241	6200JB8012T	FILTER, EMI, SQE2828 NAMYANG BK 1
L803	72782238	150-F06U	FILTER, EMI, SQE3535 27.5MH 0.6PH
L861	72782161	150-C02F	COIL, CHOKE, 82UH PHY TURN
L871	72782162	150-C02V	COIL, CHOKE, CHOKE 10UH R 1318
L881	72782161	150-C02F	COIL, CHOKE, 82UH PHY TURN
L891	72782162	150-C02V	COIL, CHOKE, CHOKE 10UH R 1318
L901	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L902	72782235	0LCML00004A	FILTER, EMI, MLB-160808-0068L-N2
L903	72782159	6140VR0007A	COIL, ENERGY RECOVERY, DT1608C-223 COILCRAF
L904	72782159	6140VR0007A	COIL, ENERGY RECOVERY, DT1608C-223 COILCRAF
L906	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L908	72782235	0LCML00004A	FILTER, EMI, MLB-160808-0068L-N2
L909	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L910	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L911	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L912	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L913	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L1100	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
L1103	72782234	0LCML00003B	FILTER, EMI, MLB-201209-0120P-N2
J4	72782301	0LA0102K119	INDUCTOR, AXIAL, LEAD, 10UH K 2.3*3.4 TP
J5	72782301	0LA0102K119	INDUCTOR, AXIAL, LEAD, 10UH K 2.3*3.4 TP
T512	72782242	6200VJT006A	FILTER, EMI, STC222D NIIGATA 50VO
T513	72782242	6200VJT006A	FILTER, EMI, STC222D NIIGATA 50VO
T514	72782242	6200VJT006A	FILTER, EMI, STC222D NIIGATA 50VO
T515	72782242	6200VJT006A	FILTER, EMI, STC222D NIIGATA 50VO

Location No.	Parts No.	Reference	Description
T801	72782398	6170VMCA06P	TRANSFORMER, SMPS[COI, EER4220 360UH 48TURN
T830	72782399	6170VMCB131	TRANSFORMER, SMPS[COI, EER4215 660UH 5.5V(3
SEMICONDUCTORS			
Q10	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q11	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q12	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q13	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q18	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q19	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q20	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q21	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q22	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q100	72795445	0TR150400BA	TRANSISTOR, CHIP 2SA1504S(ASY) B
Q101	72795445	0TR150400BA	TRANSISTOR, CHIP 2SA1504S(ASY) B
Q102	72795445	0TR150400BA	TRANSISTOR, CHIP 2SA1504S(ASY) B
Q103	72795445	0TR150400BA	TRANSISTOR, CHIP 2SA1504S(ASY) B
Q104	72795445	0TR150400BA	TRANSISTOR, CHIP 2SA1504S(ASY) B
Q105	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q106	72795445	0TR150400BA	TRANSISTOR, CHIP 2SA1504S(ASY) B
Q107	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q108	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q109	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q110	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q111	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q112	72782400	0TR101009AD	TRANSISTOR, CHIP KRA101S SOT-23
Q113	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q121	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q122	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q123	72795445	0TR150400BA	TRANSISTOR, CHIP 2SA1504S(ASY) B
Q501	72782404	0TR830009BA	TRANSISTOR, BSS83 TP PHILIPS NON
Q502	72782404	0TR830009BA	TRANSISTOR, BSS83 TP PHILIPS NON
Q801	72782407	0TFSG10004A	TRANSISTOR, FET, STW20NK50Z SGS-T(STM
Q802	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q830	72782406	0TFSG10003A	TRANSISTOR, FET, STW8NK80Z SGS-T(STM)
Q832	72782403	0TR437000BA	TRANSISTOR, KTC4370A-Y TO-220IS
Q840	72782403	0TR437000BA	TRANSISTOR, KTC4370A-Y TO-220IS
Q852	72782405	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG
Q871	72782401	0TR102409AB	TRANSISTOR, KTA TP KEC TO92 1024
Q872	72782402	0TR322709AA	TRANSISTOR, KTC3227 TP KEC - -Y,
Q1000	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q1001	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q1002	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q1003	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q1004	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
Q1005	72795446	0TR387500AA	TRANSISTOR, CHIP 2SC3875S(ALY) B
D1	72782310	0DLLT0260AA	DIODE, LED, LITEON LTL-30EWJ BK
D2	72782310	0DLLT0260AA	DIODE, LED, LITEON LTL-30EWJ BK
D3	72782310	0DLLT0260AA	DIODE, LED, LITEON LTL-30EWJ BK
D15	72782224	0DS226009AA	DIODE, KDS226 TP KEC - 80V
D16	72782224	0DS226009AA	DIODE, KDS226 TP KEC - 80V
D18	72782224	0DS226009AA	DIODE, KDS226 TP KEC - 80V
D19	72782224	0DS226009AA	DIODE, KDS226 TP KEC - 80V
D21	72782224	0DS226009AA	DIODE, KDS226 TP KEC - 80V
D22	72782224	0DS226009AA	DIODE, KDS226 TP KEC - 80V
D23	72782224	0DS226009AA	DIODE, KDS226 TP KEC - 80V
D24	72782221	0DRSE00038A	DIODE, SDC15 TVS DIODE ARRA
D25	72782221	0DRSE00038A	DIODE, SDC15 TVS DIODE ARRA
D26	72782221	0DRSE00038A	DIODE, SDC15 TVS DIODE ARRA
D27	72782221	0DRSE00038A	DIODE, SDC15 TVS DIODE ARRA
D105	72782223	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM
D106	72782223	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM
D189	72782215	0DRDI00148A	DIODE, B140A DIODES R/TP SM
D191	72796155	0DD184009AA	DIODE, KDS184 TP KEC - 85V
D195	72782223	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM
D196	72782223	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM
D197	72782223	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM
D198	72782223	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM
D199	72782223	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM
D200	72782223	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM
D201	72782223	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM
D202	72782223	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM

Location No.	Parts No.	Reference	Description
D203	72782223	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM
D206	72782224	0DS226009AA	DIODE, KDS226 TP KEC - 80V
D207	72782224	0DS226009AA	DIODE, KDS226 TP KEC - 80V
D401	72782215	0DRDI00148A	DIODE, B140A DIODES R/TP SM
D611	72782227	0DZ848209AA	DIODE, ZENER, BZX84C8V2 TP G.I SOT
D801	72782219	0DRSD00050B	DIODE, D25XB60-4000 SHINDEN
D811	72782214	0DR360000AA	DIODE, FMG-36S BK SANKEN -
D832	72782210	0DD100009AU	DIODE, EU1AV(1) TP SANKEN T
D834	72782212	0DR010009AA	DIODE, EG01C TP SANKEN - 10
D835	72782222	0DD414809ED	DIODE, 1N4148 TP GRANDE - -
D840	72782222	0DD414809ED	DIODE, 1N4148 TP GRANDE - -
D851	72782211	0DD220000AC	DIODE, FML-G22S SANKEN BK T
D861	72782211	0DD220000AC	DIODE, FML-G22S SANKEN BK T
D871	72782220	0DRSD00091A	DIODE, SF20JC10 SHINDENGEN
D881	72782211	0DD220000AC	DIODE, FML-G22S SANKEN BK T
D891	72782218	0DRSA00170A	DIODE, FML-G14S SANKEN BK T
D909	72782216	0DRGS00328A	DIODE, SS26 GENERAL SEMICON
D910	72782216	0DRGS00328A	DIODE, SS26 GENERAL SEMICON
D912	72782217	0DRON00088A	DIODE, BAT54SWT1 ON SEMI R/
D913	72782217	0DRON00088A	DIODE, BAT54SWT1 ON SEMI R/
D914	72782217	0DRON00088A	DIODE, BAT54SWT1 ON SEMI R/
D915	72782217	0DRON00088A	DIODE, BAT54SWT1 ON SEMI R/
ZD01	72782213	0DR050008AA	DIODE, SD05.TC R/TP SEMTECH
ZD1	72782226	0DZ620009BB	DIODE, ZENER, MTZJ6.2B TP ROHM-K D
ZD2	72782226	0DZ620009BB	DIODE, ZENER, MTZJ6.2B TP ROHM-K D
ZD3	72782226	0DZ620009BB	DIODE, ZENER, MTZJ6.2B TP ROHM-K D
ZD4	72782226	0DZ620009BB	DIODE, ZENER, MTZJ6.2B TP ROHM-K D
ZD5	72782226	0DZ620009BB	DIODE, ZENER, MTZJ6.2B TP ROHM-K D
ZD6	72782226	0DZ620009BB	DIODE, ZENER, MTZJ6.2B TP ROHM-K D
ZD9	72782226	0DZ620009BB	DIODE, ZENER, MTZJ6.2B TP ROHM-K D
ZD10	72782226	0DZ620009BB	DIODE, ZENER, MTZJ6.2B TP ROHM-K D
ZD103	72782228	0DZRM00178A	DIODE, ZENER, UDZS TE-17 5.1B ROHM
ZD111	72782228	0DZRM00178A	DIODE, ZENER, UDZS TE-17 5.1B ROHM
ZD839	72782225	0DZ300009BB	DIODE, ZENER, MTZJ30B TP ROHM-K DO
ZD840	72782225	0DZ300009BB	DIODE, ZENER, MTZJ30B TP ROHM-K DO
IC2	72782268	0IMCRSH003A	IC, GP2S40 SHARP 4P DIP
IC11	72782262	0IMCR02006A	IC, FLI8125BB-LF GENESIS
IC12	72782265	0IMCRMN027D	IC, MSP4440K MICRONAS 80
IC13	72782256	0IMMRAL014C	IC, AT24C02N-10SU-2.7, LF
IC15	72782261	0IMCR02005A	IC, FLI8532BD-LF GENESIS
IC20	72782255	0IMMR00024A	IC, 24LC256T-I/SMG(PB FR
IC22	72782255	0IMMR00024A	IC, 24LC256T-I/SMG(PB FR
IC59	72782254	0IMMR00002A	IC, K4D261638F-LC50, LF S
IC60	72782254	0IMMR00002A	IC, K4D261638F-LC50, LF S
IC100	72782274	0ISO206900A	IC, CXA2069Q QFP64 BK I2
IC101	72782267	0IMCRSG010A	IC, ST3232CDR SGS-THOMSO
IC133	72782289	0IPMGON013B	IC, MC34063ADR2G ON SEMI
IC168	72782282	0IMCRKE006B	IC, KIA278R33PI KEC TO-2
IC169	72782280	0IMCRKE003B	IC, KIA78R12API KEC 4P T
IC170	72782281	0IMCRKE006A	IC, KIA278R05PI KEC TO22
IC171	72782282	0IMCRKE006B	IC, KIA278R33PI KEC TO-2
IC176	72782288	0IPMGKE045A	IC, KIA278R25PI 2.5V 2A
IC177	72782287	0IPMGKE032A	IC, KIA78R09F KEC 5PIN D
IC178	72782283	0IMCRSJ001A	IC, SC1565IST-1.8 SEMTEC
IC199	72782277	0IPRPS5005A	IC, SII9011CLU(PB FREE)
IC213	72782285	0IPMG00037A	IC, KIA78D25F, LF KEC DPA
IC214	72782284	0IPMG00027A	IC, SC156515M-1.8TR SEMT
IC217	72782275	0IPRP00026A	IC, STA515, LF SGS-THOMSO
IC218	72782279	0IKE704200J	IC, KIA7042AF SOT-89 TP
IC220	72782251	0ILNR00015A	IC, LINEAR, NSP-2100A, LF NEOFIDE
IC225	72782281	0IMCRKE006A	IC, KIA278R05PI KEC TO22
IC228	72782250	0IFA754207A	IC, FAIRCHILD, KA75420ZTA(KA7542ZTA
IC230	72795255	0IMCRAL006A	IC, AT24C16AN-10SU-2.7, L
IC233	72782293	0ISA721700C	IC, LA7217M MFP14 TP SYN
IC234	72782298	0IMCRTI003A	IC, SN74HCT08D TEXAS INS
IC236	72782298	0IMCRTI003A	IC, SN74HCT08D TEXAS INS
IC401	72782263	0IMCRAG001A	IC, A8904SLP ALLEGRO MIC
IC402	72782289	0IPMGON013B	IC, MC34063ADR2G ON SEMI
IC403	72782276	0IPRP00539A	IC, DAC0800LCM NATIONAL
IC404	72782252	0ILNR00038A	IC, LINEAR, TCA0372DM2ELG, LF ON
IC412	72782253	0ILNRON009B	IC, LINEAR, NL17SZ08DFT2G ON SEM
IC413	72782286	0IPMGKE031A	IC, KIA78R33F KEC 5PIN D

Location No.	Parts No.	Reference	Description
IC500	72782270	0IMCRTH003B	IC, THC63LVD104A, PB FREE
IC501	72782248	0ICTM00019A	IC, 2505999-0002 TEXAS I
IC502	72782278	0IPRPTO002A	IC, TC7S14F(T5L, T) TOSHI
IC503	72782290	0IPMGSG018C	IC, LD1086DT15TR SGS-THO
IC511	72782299	0ISTLON023B	IC, NL17SZ126DFT2G ON SE
IC700	72782271	0IMCRTI011B	IC, 2504886-0003(DDP1011
IC701	72782258	0IMMRAL050B	IC, AT49BV802A-70TU ATME
IC702	72782264	0IMCRFA003A	IC, KA2903 FAIRCHILD 8SO
IC705	72782257	0IMMRAL025A	IC, AT24C32AN-10SI-2.7 A
IC800	72782260	0IMMRSS053B	IC, K4R271669F-TCS8 SAMS
IC801	72782273	0IMCRTI014A	IC, CDCR83 TEXAS INSTRUM
IC802	72782295	0IMCRSG007A	IC, 74VIT125CTR SGS-THOM
IC803	72782296	0IMCRSG008A	IC, 74LX1G14CTR SGS-THOM
IC804	72782296	0IMCRSG008A	IC, 74LX1G14CTR SGS-THOM
IC805	72782266	0IMCRMX001A	IC, MAX708SCSA MAXIM 8P
IC806	72782297	0IMCRSG008B	IC, 74LX1G07CTR SGS-THOM
IC807	72782266	0IMCRMX001A	IC, MAX708SCSA MAXIM 8P
IC808	72782296	0IMCRSG008A	IC, 74LX1G14CTR SGS-THOM
IC810	72782269	0IMCRSK004A	IC, SMA-E1017 SANKEN 3P
IC830	72782294	0ISH817300B	IC, SHARP, PC817XF3 4D PHOTO CO
IC850	72782291	0ISH302122A	IC, PQ30RV21 TO-220 - -
IC851	72782292	0ISS431000A	IC, SAMSUNG ELECTRONI, KA431AZ (LM431AZ)
IC870	72782292	0ISS431000A	IC, SAMSUNG ELECTRONI, KA431AZ (LM431AZ)
IC900	72782272	0IMCRTI012B	IC, 2503253-0003(DAD1000
IC906	72782299	0ISTLON023B	IC, NL17SZ126DFT2G ON SE
IC907	72782296	0IMCRSG008A	IC, 74LX1G14CTR SGS-THOM
IC908	72782296	0IMCRSG008A	IC, 74LX1G14CTR SGS-THOM
IC910	72782295	0IMCRSG007A	IC, 74VIT125CTR SGS-THOM
IC1000	72795260	0IMI623200B	IC, M62320FP, I/O EXPANDE
IC1001	72795260	0IMI623200B	IC, M62320FP, I/O EXPANDE
IC1102	72782259	0IMMRSS037F	IC, K4S643232H-UC60, LF S
IC1103	72782249	0ICTM00021A	IC, 2505962-1003 TEXAS I
MISCELLANEOUS			
C1	72782093	6851V00022C	CABLE, COAXIAL, COAXIAL(150MM), UL136
C5	72782197	6631V12044G	CONNECTOR ASSEMBLY, 7P 1.25MM 400MM H-H
C6	72782198	6631V12046L	CONNECTOR ASSEMBLY, 5P 1.25MM 700MM H-H
C7	72782195	6631V00015B	CONNECTOR ASSEMBLY, 2P 8.0MM 400MM H-W U
C8	72782200	6631V20046J	CONNECTOR ASSEMBLY, 8P 2.0MM 500MM H-H U
C9	72782190	387-907L	CONNECTOR ASSEMBLY, 1P NON 700MM R-H UL1
C10	72782192	387-G03G	CONNECTOR ASSEMBLY, 3P 2.5MM 400MM H-H U
C11	72782193	387-G04G	CONNECTOR ASSEMBLY, 4P 2.5MM 400MM H-H U
C12	72782194	387-G10G	CONNECTOR ASSEMBLY, 10P 2.5MM 400MM H-H
C13	72782206	387-J12J	CONNECTOR ASSY, 12P SHIELD(500) IL-G
C14	72782201	6631V23003M	CONNECTOR ASSEMBLY, 3P 10.0MM 800MM H-H
C15	72782204	6631V39009M	CONNECTOR ASSEMBLY, 3P 3.96MM 800MM H-H
C16	72782199	6631V20019E	CONNECTOR ASSEMBLY, 3P 2.0MM 300MM H-H U
C17	72782171	366-036B	CONNECTOR (CIRC), WAF, STAPLE . . . .
C18	72782205	387-G03L	CONNECTOR ASSY, 3P GIL-G TO GIL-G(70
C19	72782196	6631V00030G	CONNECTOR ASSEMBLY, 8P SPECIAL 400MM H-H
C20	72782171	366-036B	CONNECTOR (CIRC), WAF, STAPLE . . . .
F1100	72782232	0LCML00002A	FILTER, EMI, MLB-321611-0120A-N1
F1101	72782232	0LCML00002A	FILTER, EMI, MLB-321611-0120A-N1
F800	72782246	0FS5001B51D	FUSE, SLOW BLOW, 5000MA 250 V 5.2X20
FB851	72782237	125-123A	FILTER, EMI, FERRITE BFD3565R2F(T
FB861	72782237	125-123A	FILTER, EMI, FERRITE BFD3565R2F(T
FB871	72782236	125-022K	FILTER, EMI, FERRITE NON AXIAL 62
FB891	72782237	125-123A	FILTER, EMI, FERRITE BFD3565R2F(T
FL102	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL103	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL104	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL105	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL107	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL108	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL109	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL110	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL111	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL112	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL113	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL114	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL115	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL116	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT

Location No.	Parts No.	Reference	Description
FL117	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL118	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL119	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL120	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL121	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL122	72782242	6200VJT006A	FILTER, EMI, STC222D NIIGATA 50VO
FL123	72782242	6200VJT006A	FILTER, EMI, STC222D NIIGATA 50VO
FL124	72782242	6200VJT006A	FILTER, EMI, STC222D NIIGATA 50VO
FL125	72782242	6200VJT006A	FILTER, EMI, STC222D NIIGATA 50VO
FL126	72782242	6200VJT006A	FILTER, EMI, STC222D NIIGATA 50VO
FL127	72782242	6200VJT006A	FILTER, EMI, STC222D NIIGATA 50VO
FL128	72782242	6200VJT006A	FILTER, EMI, STC222D NIIGATA 50VO
FL129	72782242	6200VJT006A	FILTER, EMI, STC222D NIIGATA 50VO
FL131	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL132	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
FL133	72782239	6200J000012	FILTER, EMI, NFL21SP207X1C3 MURAT
IC19	72782385	692790007AB	SOFT WARE, 3.02V 0000 MD PJT MB
IC58	72782384	692790005AD	SOFT WARE, 3.03V 180E MD PJT MB
IC226	72782386	692790017AB	SOFT WARE, 4.00V 39DD MD PJT MB
IC704	72782315	6204B47985C	OSCILLATOR, SCO-103 SUNNY 100MHZ
JA100	72782306	6612J00038B	JACK, RCA, UJB-03-25B UGCOM 661
JA101	72782306	6612J00038B	JACK, RCA, UJB-03-25B UGCOM 661
JA102	72782307	6612J00038C	JACK, RCA, UJB-03-25C UGCOM A/V
JA103	72782308	6612J10012A	JACK, RCA, UJB-05-02C UGCOM COM
JA104	72782308	6612J10012A	JACK, RCA, UJB-05-02C UGCOM COM
JA105	72782305	6612J00037A	JACK, RCA, UJB-02-12A UGCOM 2P
JA106	72782167	6630G70016A	CONNECTOR (CIRC), D-S, A03-7071-094 SPG 15P
JA108	72782168	6630G70017A	CONNECTOR (CIRC), D-S, A02-0915-101 SPG 9P
JA201	72782302	6613V00010B	JACK ASSEMBLY, PMJ016B PARK ELEC A/
L2	72782311	3680V00134B	LENS, UNAXIS LENS RT-52SZ6
L3	72782314	3680V00157A	LENS, UNAXIS PRISM DN-62SX
L4	72782313	3680V00153A	LENS, SEKINOS LENS RU-44SZ
P005	72782172	366-169B	CONNECTOR (CIRC), WAF, WAFER 2MM, 3PIN, GIL-S
P005B	72782172	366-169B	CONNECTOR (CIRC), WAF, WAFER 2MM, 3PIN, GIL-S
P06	72782178	366-932B	CONNECTOR (CIRC), WAF, IL-G-03P LGC 2.5MM S
P1000	72782185	6602V12001G	CONNECTOR (CIRC), WAF, 1.25MM 8PINP 53261-0
P1000A	72782412	366-921F	WAFER, IL-G-07 LGC 2.5mm S/
P1001A	72782173	366-169G	CONNECTOR (CIRC), WAF, 2.0MM 8P GIL-S LG CA
P1100	72782188	6630VF01610	CONNECTOR (CIRC), WAF, 53398-1090 MOLEX 10P
P111B	72782166	6630B00075A	CONNECTOR (CIRC), BOA, SW-1166M-40P SAMWON
P112B	72782166	6630B00075A	CONNECTOR (CIRC), BOA, SW-1166M-40P SAMWON
P113B	72782166	6630B00075A	CONNECTOR (CIRC), BOA, SW-1166M-40P SAMWON
P2	72782187	6630VE00204	CONNECTOR (CIRC), WAF, 10003HR-04 YEONHO 4P
P3	72782184	6602V12001F	CONNECTOR (CIRC), WAF, 1.25MM 7PINP 5361-07
P5A	72782176	366-921J	CONNECTOR (CIRC), WAF, GIL-G-10P LGC 10PIN
P8A	72782181	366-932G	CONNECTOR (CIRC), WAF, IL-G-08P LGC 2.5MM
P121	72782180	366-932E	CONNECTOR (CIRC), WAF, GIL-G-06P LGC 6PIN 2
P122	72782176	366-921J	CONNECTOR (CIRC), WAF, GIL-G-10P LGC 10PIN
P124	72782178	366-932B	CONNECTOR (CIRC), WAF, IL-G-03P LGC 2.5MM S
P125	72782178	366-932B	CONNECTOR (CIRC), WAF, IL-G-03P LGC 2.5MM S
P127	72782183	6602V12001A	CONNECTOR (CIRC), WAF, 1.25MM 2P 53261-0290
P129	72782179	366-932C	CONNECTOR (CIRC), WAF, IL-G-04P LGC 2.5MM S
P130	72782178	366-932B	CONNECTOR (CIRC), WAF, IL-G-03P LGC 2.5MM S
P131	72782179	366-932C	CONNECTOR (CIRC), WAF, IL-G-04P LGC 2.5MM S
P132	72782177	366-921L	CONNECTOR (CIRC), WAF, GIL-G-12P LGC 12PIN
P134	72782177	366-921L	CONNECTOR (CIRC), WAF, GIL-G-12P LGC 12PIN
P135	72782182	6602T20008G	CONNECTOR (CIRC), WAF, SMW200-08 YEONHO 8P
P136	72782178	366-932B	CONNECTOR (CIRC), WAF, IL-G-03P LGC 2.5MM S
P139	72782169	6630G70018A	CONNECTOR (CIRC), D-S, AVI-40245-29B3 SPG 2
P141A	72782165	6630B00074A	CONNECTOR (CIRC), BOA, SW-1166SDIG-40P SAMW
P141B	72782166	6630B00075A	CONNECTOR (CIRC), BOA, SW-1166M-40P SAMWON
P142A	72782165	6630B00074A	CONNECTOR (CIRC), BOA, SW-1166SDIG-40P SAMW
P142B	72782166	6630B00075A	CONNECTOR (CIRC), BOA, SW-1166M-40P SAMWON
P200	72782303	6612B00015A	JACK, DIN, DC1R019NDA JAE 1.0MM
P502B	72782189	6630VK19608	CONNECTOR (CIRC), WAF, 20037WR YEONHO 8P 2.
P601	72782304	6612BBBHN7A	JACK, DIN, 74320-3004 MOLEX DVI
P601B	72782177	366-921L	CONNECTOR (CIRC), WAF, GIL-G-12P LGC 12PIN
P603	72782207	6630BX05007	CONNECTOR(CIRC), DRAW, 53261-0590 MOLEX 5PI
P604	72782184	6602V12001F	CONNECTOR (CIRC), WAF, 1.25MM 7PINP 5361-07
P605	72782183	6602V12001A	CONNECTOR (CIRC), WAF, 1.25MM 2P 53261-0290
P701A	72782174	366-921B	CONNECTOR (CIRC), WAF, GIL-G-03P LGC 3PIN 2
P701B	72782174	366-921B	CONNECTOR (CIRC), WAF, GIL-G-03P LGC 3PIN 2

Location No.	Parts No.	Reference	Description
P702A	72782175	366-921C	CONNECTOR (CIRC), WAF, IL-G-04 LGC 2.5MM S/
P702B	72782175	366-921C	CONNECTOR (CIRC), WAF, IL-G-04 LGC 2.5MM S/
P800A	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P801A	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P801B	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P801C	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P802A	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P802B	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P803A	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P803B	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P804	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P806A	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P806B	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P806C	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P807A	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P807B	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P807C	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P808A	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P808B	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P808C	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P809B	72782170	366-009D	CONNECTOR (CIRC), WAF, 2.36PAI 1P . K/M AUT
P820	72782186	6602V39002A	CONNECTOR (CIRC), WAF, 3.96MM 2P YW396-03AV
P821A	72782177	366-921L	CONNECTOR (CIRC), WAF, GIL-G-12P LGC 12PIN
P822A	72782179	366-932C	CONNECTOR (CIRC), WAF, IL-G-04P LGC 2.5MM S
P841	72782180	366-932E	CONNECTOR (CIRC), WAF, GIL-G-06P LGC 6PIN 2
PA1	72782329	6726VH0001A	REMOCON RECEIVER, TSOP1238RF1 TEMIC 38
SW01	72782396	140-275E	SWITCH, PUSH, SPBS222EP011 POSTEC
SW1	72795435	140-313B	SWITCH, TACT, TACT 2LEAD 160G(TA)
SW2	72795435	140-313B	SWITCH, TACT, TACT 2LEAD 160G(TA)
SW3	72795435	140-313B	SWITCH, TACT, TACT 2LEAD 160G(TA)
SW4	72795435	140-313B	SWITCH, TACT, TACT 2LEAD 160G(TA)
SW5	72795435	140-313B	SWITCH, TACT, TACT 2LEAD 160G(TA)
SW6	72795435	140-313B	SWITCH, TACT, TACT 2LEAD 160G(TA)
SW7	72795435	140-313B	SWITCH, TACT, TACT 2LEAD 160G(TA)
F851	72782330	0RP0020J809	FIXED PRECI, 0.02 OHM 1 W 20% TA5
F871	72782330	0RP0020J809	FIXED PRECI, 0.02 OHM 1 W 20% TA5
F891	72782330	0RP0020J809	FIXED PRECI, 0.02 OHM 1 W 20% TA5
TH801	72782397	163-048D	THERMISTOR, NTC, KL15L2R5 SSANSHIN /
TH802	72782397	163-048D	THERMISTOR, NTC, KL15L2R5 SSANSHIN /
VA100	72782411	6102W5V016A	VARISTOR, AVRL161A1R1NT TDK NO
VA101	72782411	6102W5V016A	VARISTOR, AVRL161A1R1NT TDK NO
VA102	72782411	6102W5V016A	VARISTOR, AVRL161A1R1NT TDK NO
VA103	72782411	6102W5V016A	VARISTOR, AVRL161A1R1NT TDK NO
VA104	72782411	6102W5V016A	VARISTOR, AVRL161A1R1NT TDK NO
VA105	72782411	6102W5V016A	VARISTOR, AVRL161A1R1NT TDK NO
VA106	72782411	6102W5V016A	VARISTOR, AVRL161A1R1NT TDK NO
VA107	72782411	6102W5V016A	VARISTOR, AVRL161A1R1NT TDK NO
VA800	72782410	164-003K	VARISTOR, SVC621D-14A ILJIN 62
X1	72782380	6212AB2844A	CRYSTAL, ABLS-19.6608MHZ-22-B
X2	72782380	6212AB2844A	CRYSTAL, ABLS-19.6608MHZ-22-B
X3	72782379	6202VDT002H	CRYSTAL, SX-1 SUNNY 18.432000
X5	72782381	6212AB2845A	CRYSTAL, ABLS-27.000MHZ-16-B-
X6	72782378	6202VDT002D	CRYSTAL, SX-1SMD SUNNY RADIAL
X7	72782377	166-E02F	RESONATOR, CERAMIC, CSBLA500KECZF09-B0 C
PC BOARD ASSEMBLIES			
* 520	72782318	6871VMMU26C	PWB(PCB) ASSEMBLY, MA, MAIN MB-05DC FOR 44S
* 530	72782319	6871VPMB07C	PC BOARD ASSY, POWER, SMPS MB05DC 44SZ8R-U
* 540	72782818	6871VSMACQB	PCB ASSEMBLY, SUB , JACK, MB05DC
* 570	72782322	6871VSMANZG	PC BOARD ASSY, SUB, SUB M.I MB05DC 44SZ8
* 590	72782320	6871VPMB23B	PC BOARD ASSY, POWER, SMPS M.I MB05DC SKD
* 630	72782328	6871VSN221E	PC BOARD ASSY, SUB, P/AMP NB042A DN-44SZ
* 650	72782324	6871VSME75A	PC BOARD ASSY, SUB, CONT MB042A 80L CONT
* 670	72782323	6871VSME03M	PC BOARD ASSY, SUB, SUB MB05DB CASE DET
* 680	72782327	6871VSN220G	PC BOARD ASSY, SUB, SUB MB042C SIDE AV R
* 700	72782325	6871VSME82A	PC BOARD ASSY, SUB, INTER MB042A DN-44SZ
* 720	72782326	6871VSMW40F	PC BOARD ASSY, SUB, SENSOR M.I NB03KA HD
TUNER			
TU100	72782408	6700NF0022A	TUNER, TAUM-H201F LGIT NTSC
TU101	72782409	6700NF0022B	TUNER, TAFM-H202P LGIT NTSC

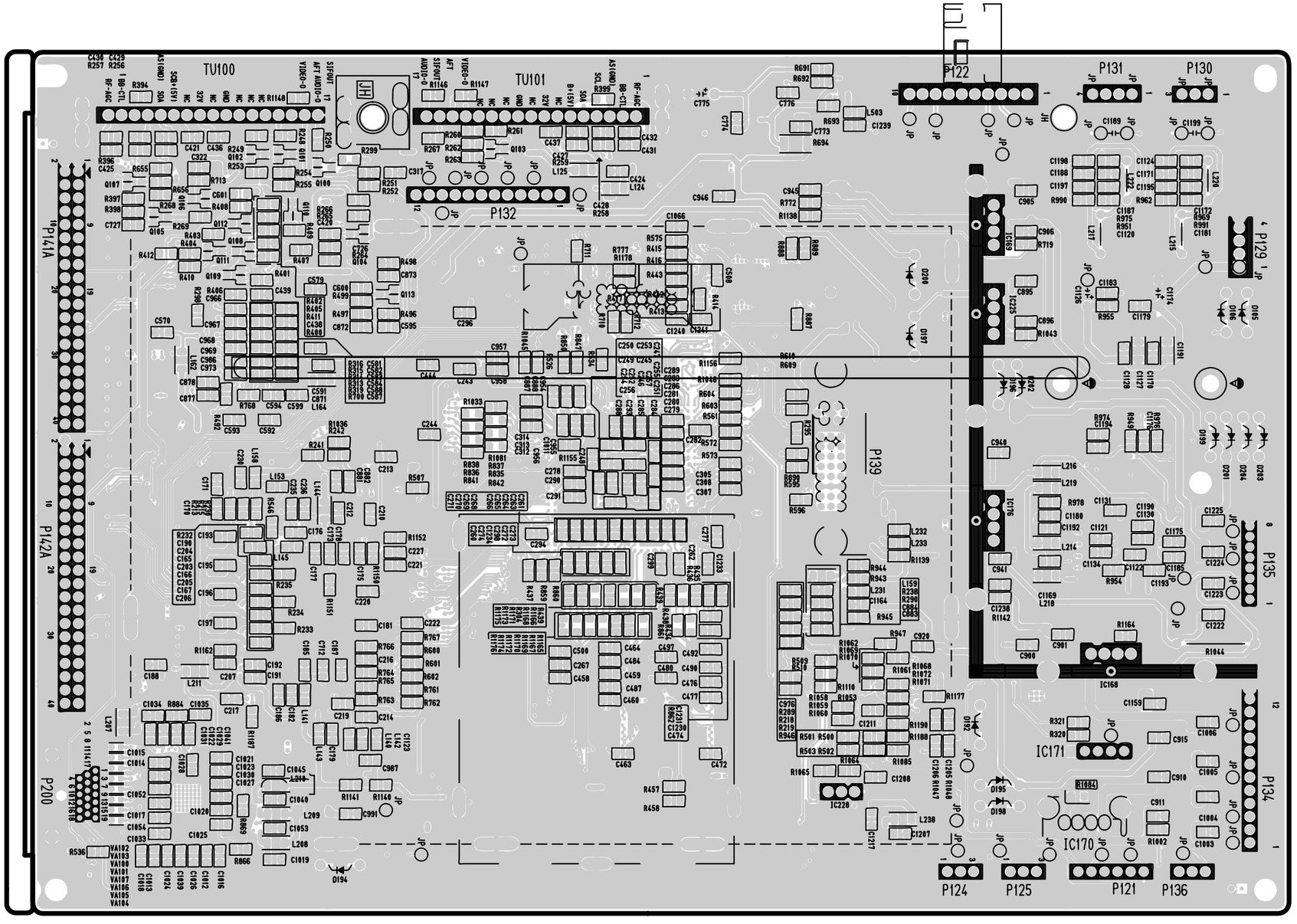
Location No.	Parts No.	Reference	Description
ACCESSORIES			
A1	72782624	3828VA0562C	OWNER'S MANUAL
A2	72782625	6710V00102Y	REMOTE CONTROLLER
A3	72782822	6851V00018H	CABLE, DVI-D
CABINET PARTS			
120	72782388	6400WESC01A	SPEAKER, WOOFER, C080P23K1450 ESTEC W
121	72782387	6400DESA01A	SPEAKER, TWEETER, D016D01K1450 ESTEC T
174	72782317	6410VUH004A	POWER CORD, UL/CSA3000MM 3P HUG
300	72782092	3091V00755B	CABINET ASSEMBLY, RU-44SZ83D MONO MB04
301	72782820	4811V00174D	BRACKET ASSY, SPEAKER
303	72782389	4980V00A29G	SUPPORTER, SCREEN AL BAR U/L
304	72782390	4980V00A29H	SUPPORTER, SCREEN AL BAR R/L
305	72782382	3351V00009J	SCREEN ASSEMBLY, TOPPAN NON 44SZ8R-UE
310	72782821	5020V01025B	BUTTON,CONTROL
402	72782209	3550V00423G	COVER, LAMP RU-44SZ83D LAMP
501	72782244	3210V00165B	FRAME, FRAME ABS, AF-303 RN-
502	72782245	3210V00280B	FRAME, CHASSIS HIPS 40AF DU
503	72782091	4811V00125Q	BRACKET ASSEMBLY, REAR AV 44SZ8R-UE MB
571	72782158	3141VSNS77G	CHASSIS ASSEMBLY, SUB MB05DC HD4 DMD B
600	72782157	31419EF008A	CHASSIS ASSEMBLY, ENGINE MB05DC 44SZ8R
601	72782392	4980V00C01C	SUPPORTER, SMPS EGI RU-44SZ63D
602	72782393	4980V00C58D	SUPPORTER, ENGINE SECC(EGI) HD3
610	72782309	6912B22007A	LAMP, HIGH PRESSURE M, UHP 120W 1.0 PH E23
611	72782383	4814V00502E	SHIELD, ASSY CKD SHIEDL CASE
612	72782156	3110V00433D	CASE, NON . PC E23 CASE LA
617	72782208	3550V00637B	COVER, TOP 44SZ80 HD3 FOR 4
618	72782395	4980V01207B	SUPPORTER, ENGINE EGI 44SZ8R-UE
620	72782229	5900V09008E	FAN, G9232S06B2-AA DONGYA
622	72782230	5900V09008F	FAN, G9232L06B2-AA DONGYA
623	72782394	4980V00E80C	SUPPORTER, NON SECC(EGI) NEW DM
640	72782089	6316000009B	BALLAST, EUC-120P/11 PHILIPS
681	72782090	3500V00061Z	BOARD, ASSY RU-44SZ83D MB04

PC BOARDS TOP & BOTTOM VIEW

*** The information contained in this section subject to model.**

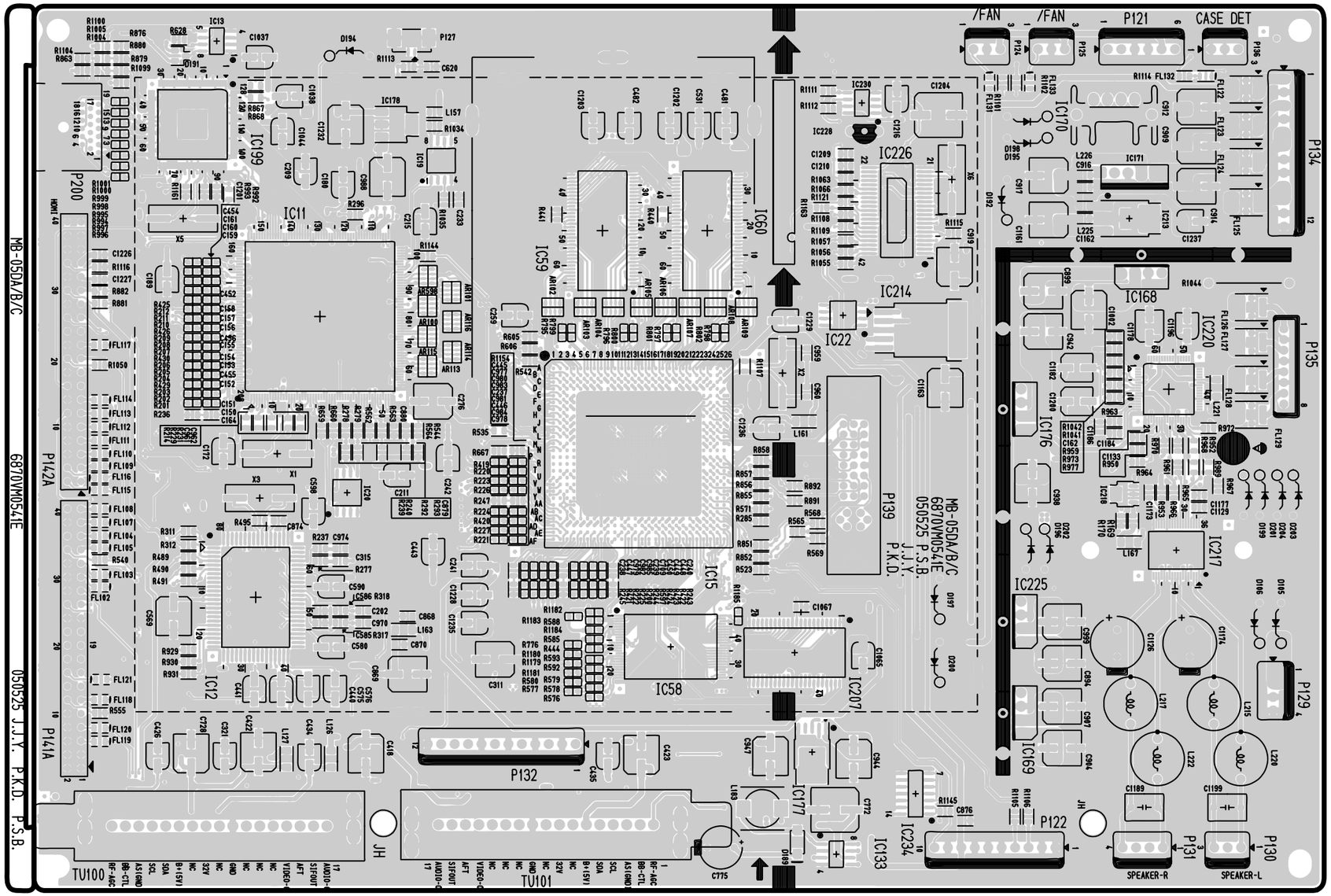
MAIN BOARD

BOTTOM (FOIL) SIDE



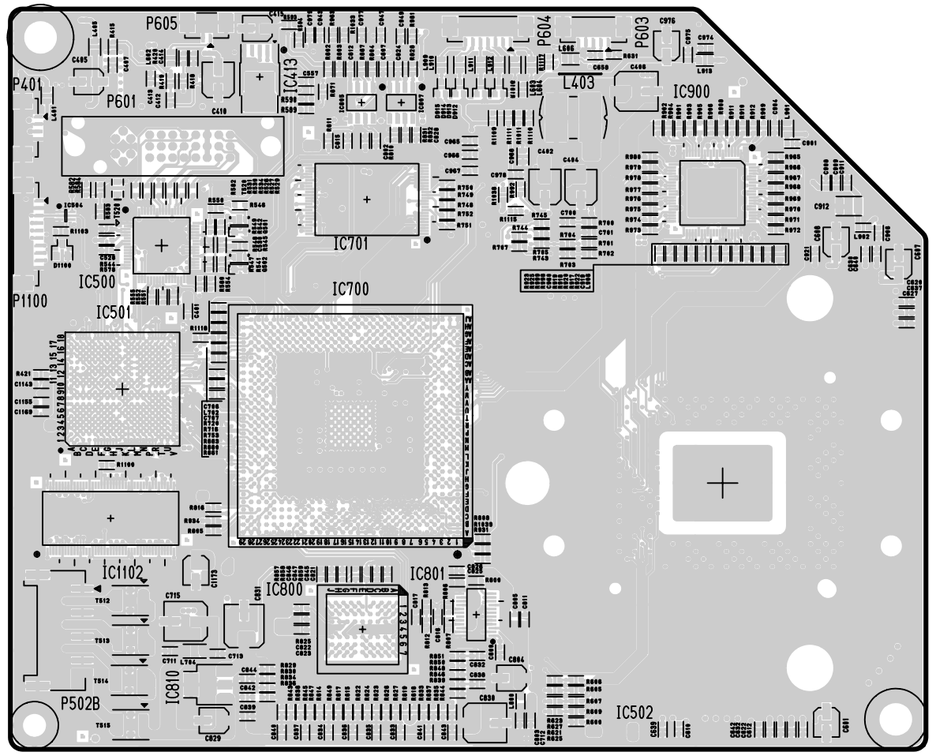
MAIN BOARD

TOP (COMPONENT) SIDE



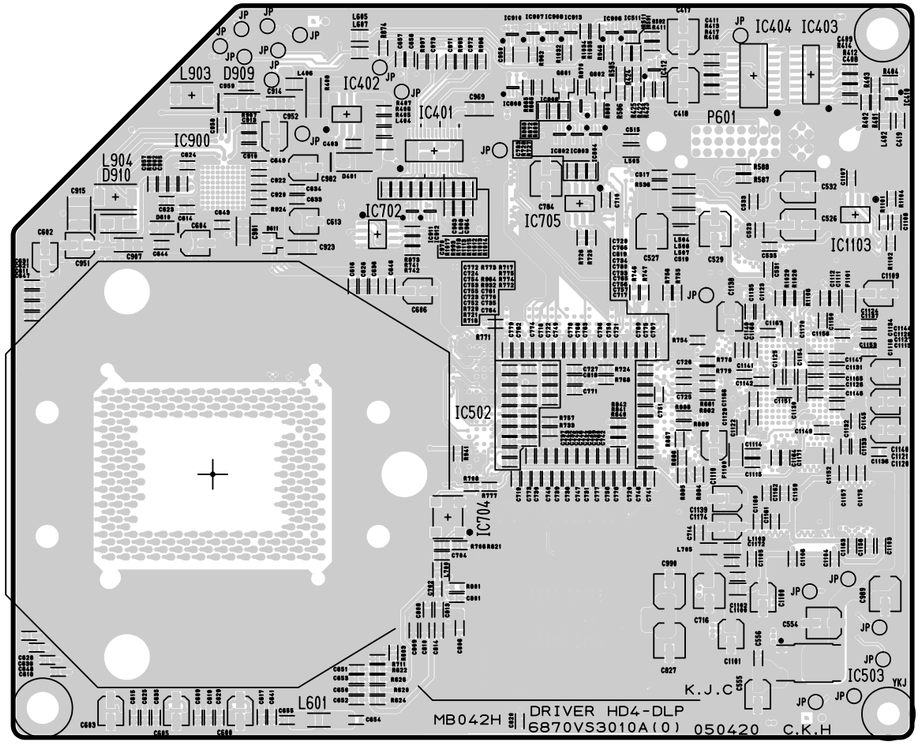
HD4 DRIVER BOARD

BOTTOM (FOIL) SIDE

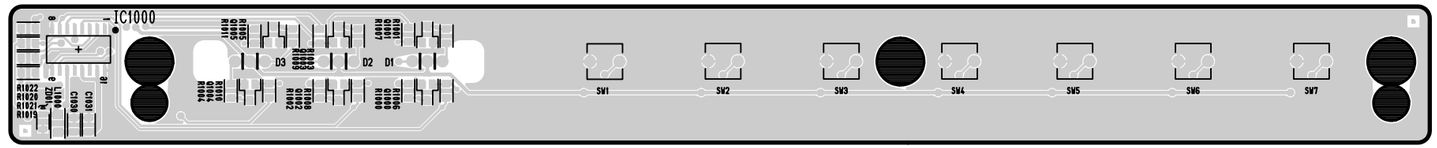


HD4 DRIVER BOARD

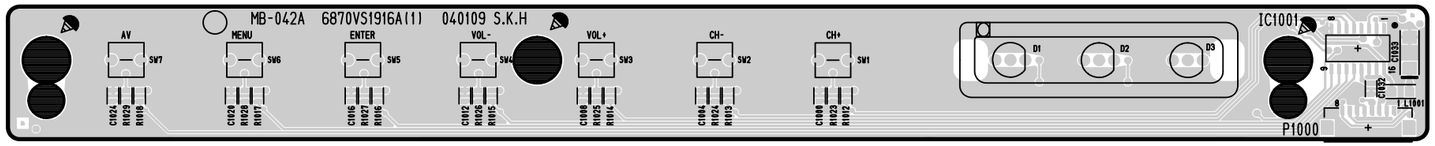
TOP (COMPONENT) SIDE



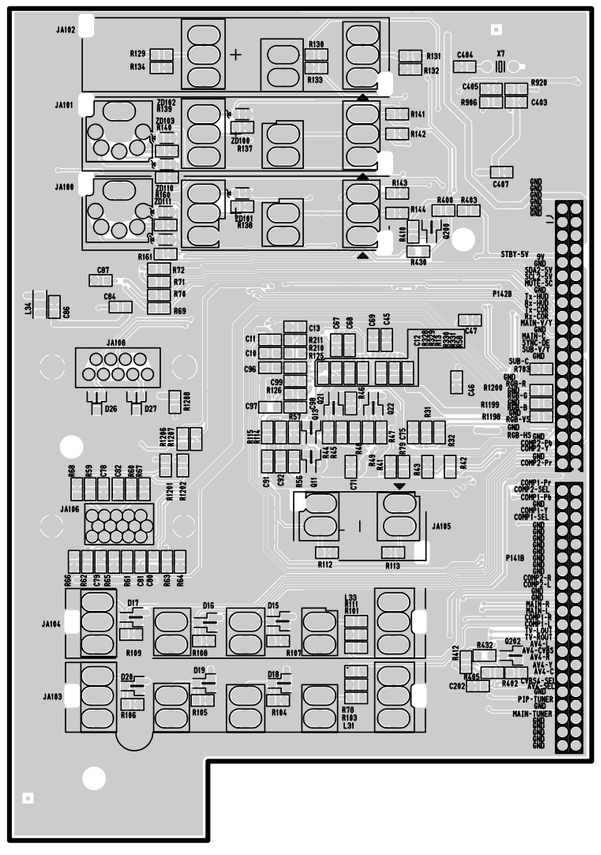
CONTROL BOARD BOTTOM (FOIL) SIDE



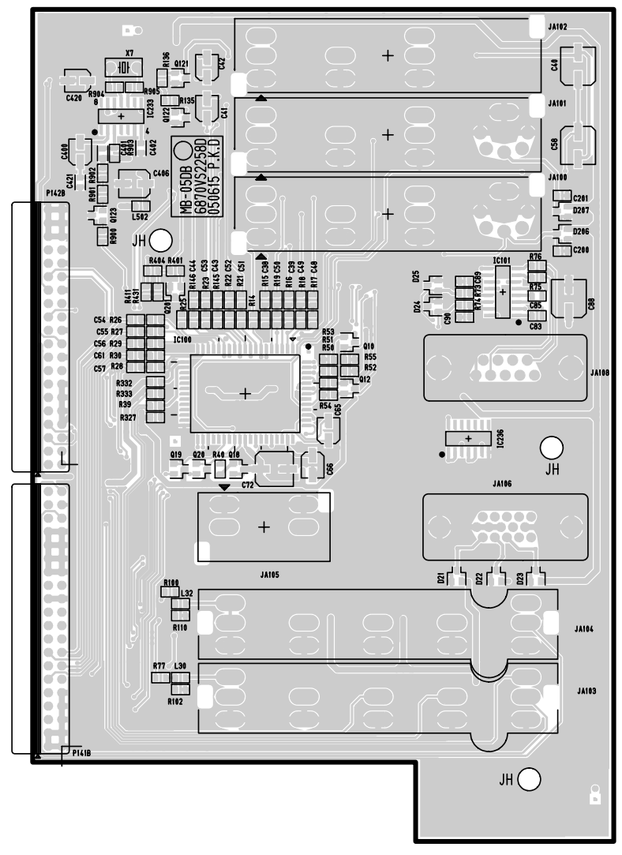
CONTROL BOARD TOP (COMPONENT) SIDE



JACK BOARD BOTTOM (FOIL) SIDE

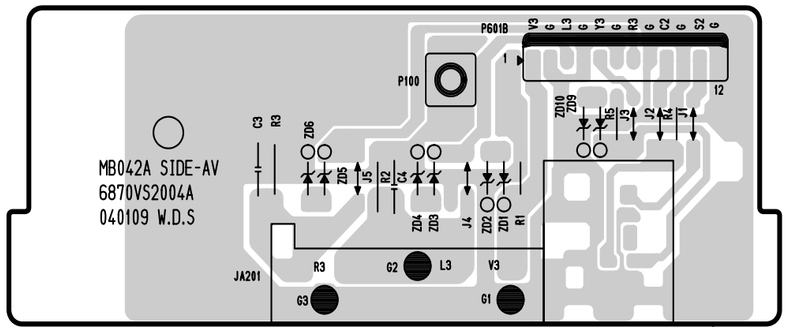


JACK BOARD TOP (COMPONENT) SIDE



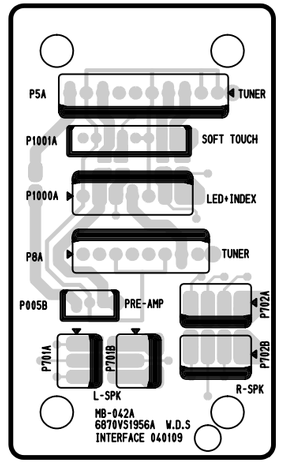
SIDE A/V BOARD

TOP (COMPONENT) SIDE



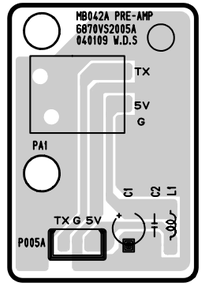
INTERFACE BOARD

TOP (COMPONENT) SIDE



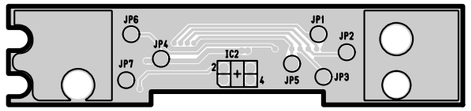
PRE-AMP BOARD

TOP (COMPONENT) SIDE



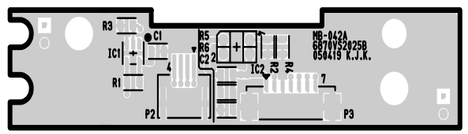
C/W Sensor BOARD

BOTTOM (FOIL) SIDE



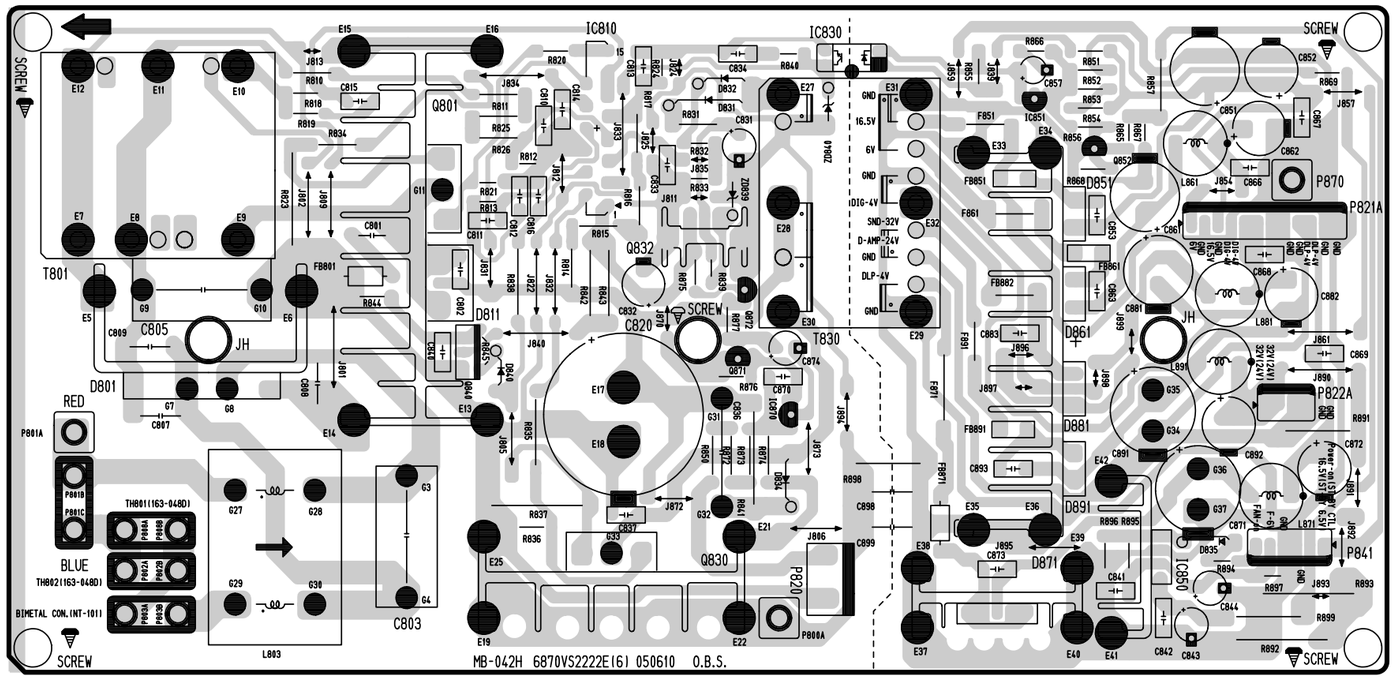
C/W Sensor BOARD

TOP (COMPONENT) SIDE



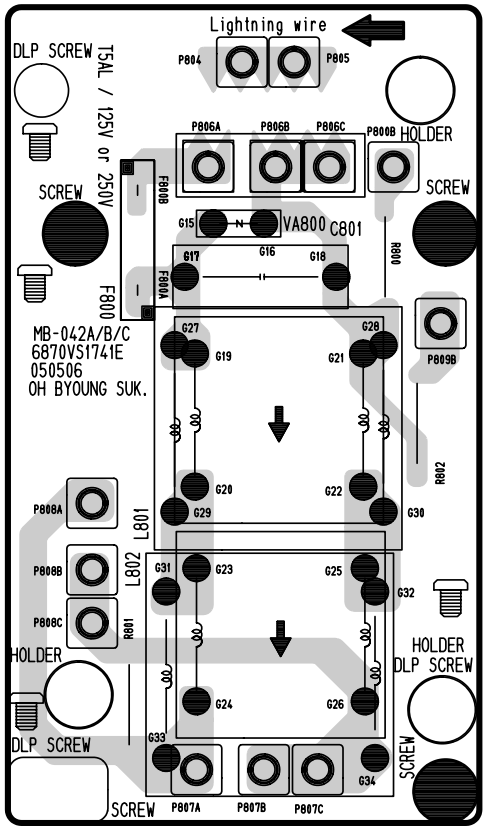
SMPS BOARD

TOP (COMPONENT) SIDE



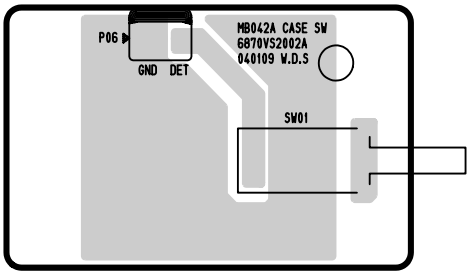
AC INPUT BOARD

TOP (COMPONENT) SIDE



CASE DET BOARD

TOP (COMPONENT) SIDE



TOSHIBA CORPORATION
1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN

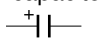
SCHEMATIC DIAGRAM

MODEL : 44HM85

WARNING : BEFORE SERVICING THIS CHASSIS, READ THE "SAFETY PRECAUTIONS" ON PAGE 3 OF THIS MANUAL.

CAUTION : The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the SERVICE SAFETY PRECAUTIONS on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

NOTE:

1. RESISTOR Resistance is shown in ohm [K = 1.000, M = 1.000.000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
   1/2R = Metal or Metal oxide of 1/2 watt 1/2S = Carbon compsistion of 1/2 watt
   1RF = Fuse resistor of 1 watt 10W = Cement of 10 watt
   K = ±10% G = ±2% F = ±1%
2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF, and the values more than 1 in pF.
   All capacitors are ceramic 50V, unless otherwise noted as the following marks.
    Electolytic capacitor Mylar capacitor
3. The parts indicated with " ⚠ " have special characteristics, and should be replaced with identical parts only.
4. Voltages read with DIGITAL MULTI-METER from point indicated to chassing ground, using a color bar signal with all controls at normal, line voltage 220 volts.
5. Waveforms are taken receiving color bar signal with enough sensitivity.
6. Voltage reading shown are nominal values and may vary ±20% except H.V.

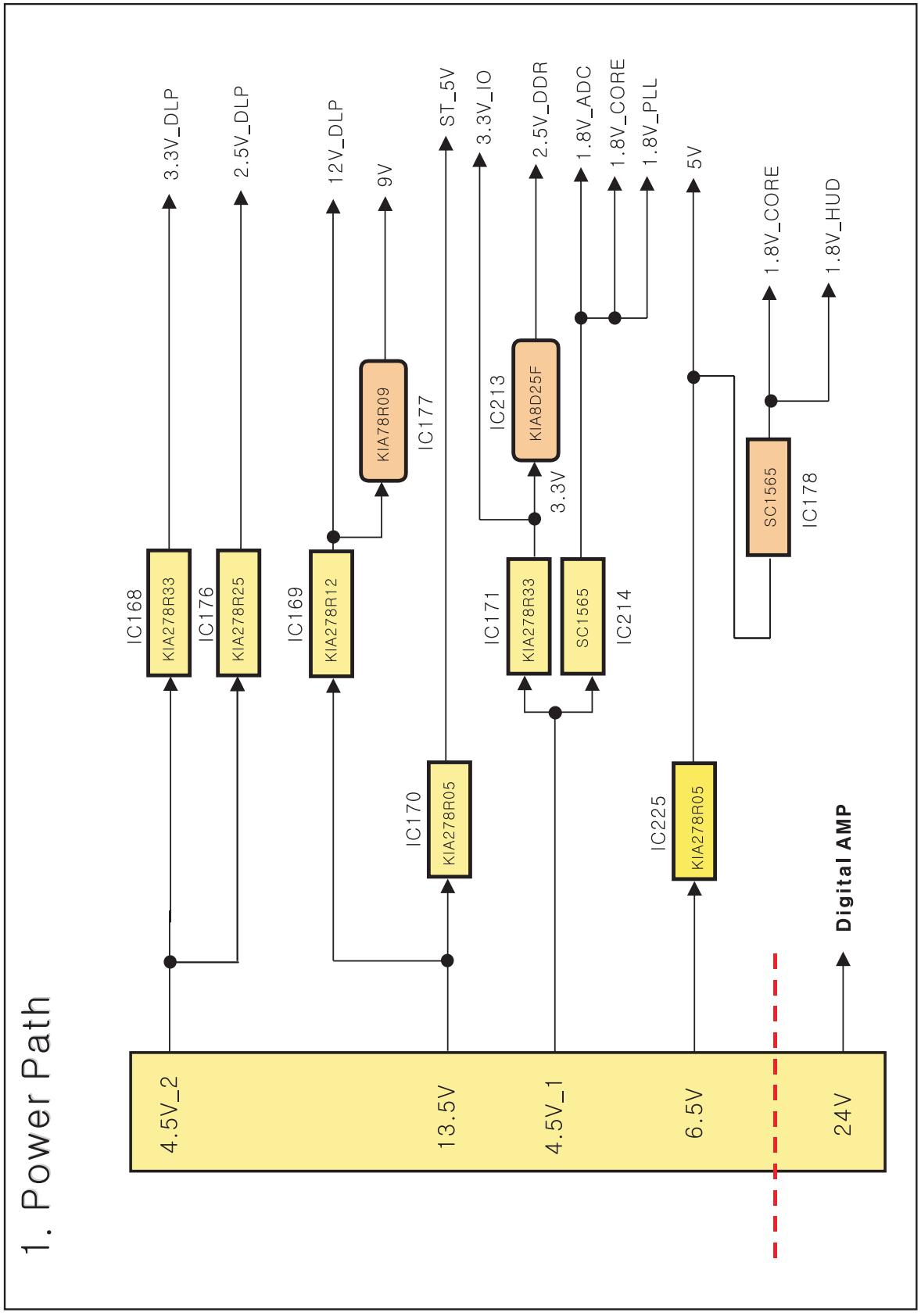
*** The information contained in this section subject to model.**

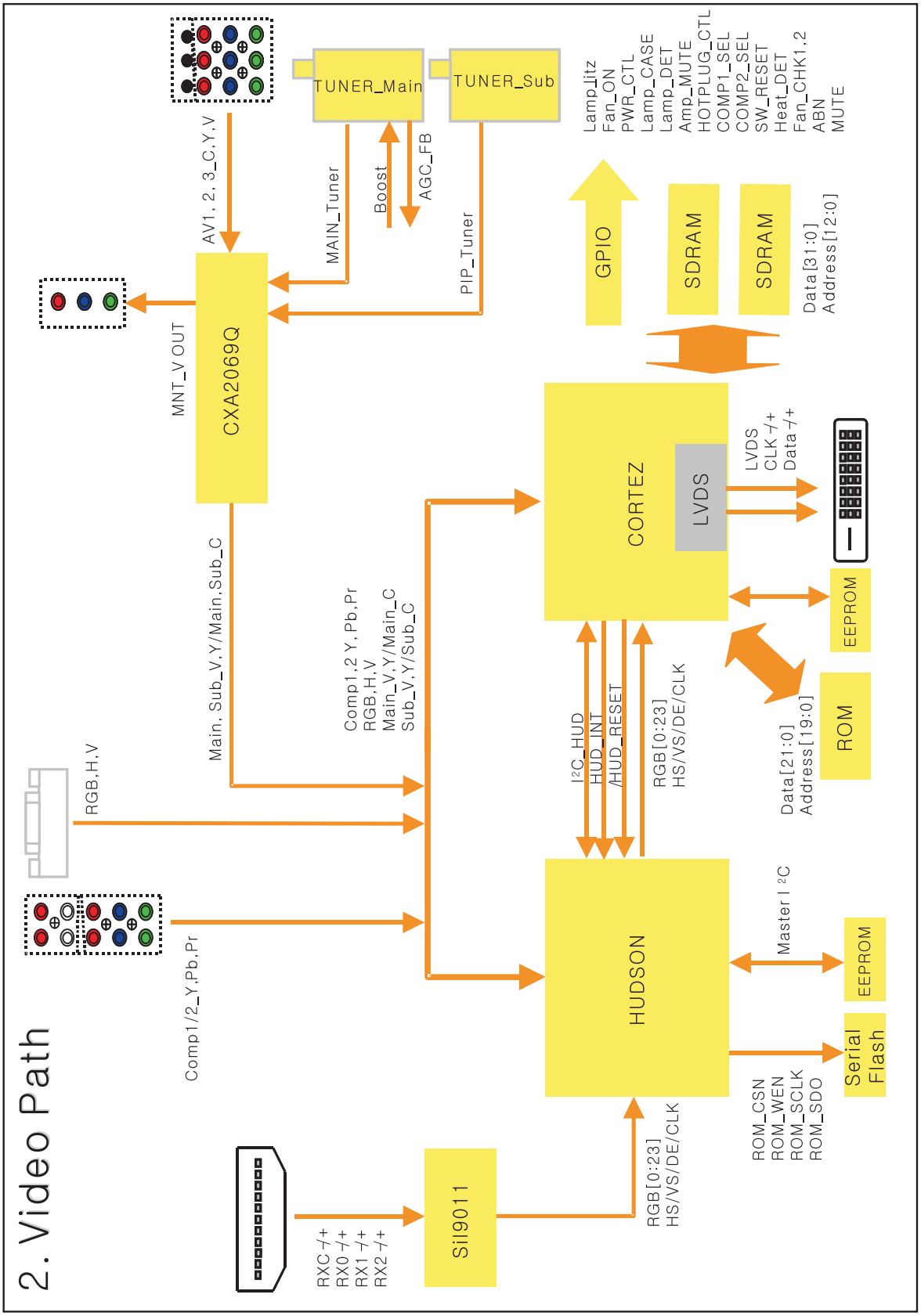
■SCHEMATIC DIAGRAM STRUCTURE:

MAIN 1/10
POWER SUPPLY 2/10
SUB CIRCUIT 3/10
COLUMBUS-II JACK 4/10
HD4 LVDS & POWER, DAC & CURRENT AMP (1/6) 5/10
HD4 DMD & CONNECTOR (2/6) 6/10
HD4 DDP1011 & FLASH ROM (3/6) 7/10
HD4 RDRAM & DDP1011 (4/6) 8/10
HD4 DAD, MOTOR, LAMP (5/6) 9/10
HD4 FPGA, SDRAM, PROM (6/6) 10/10

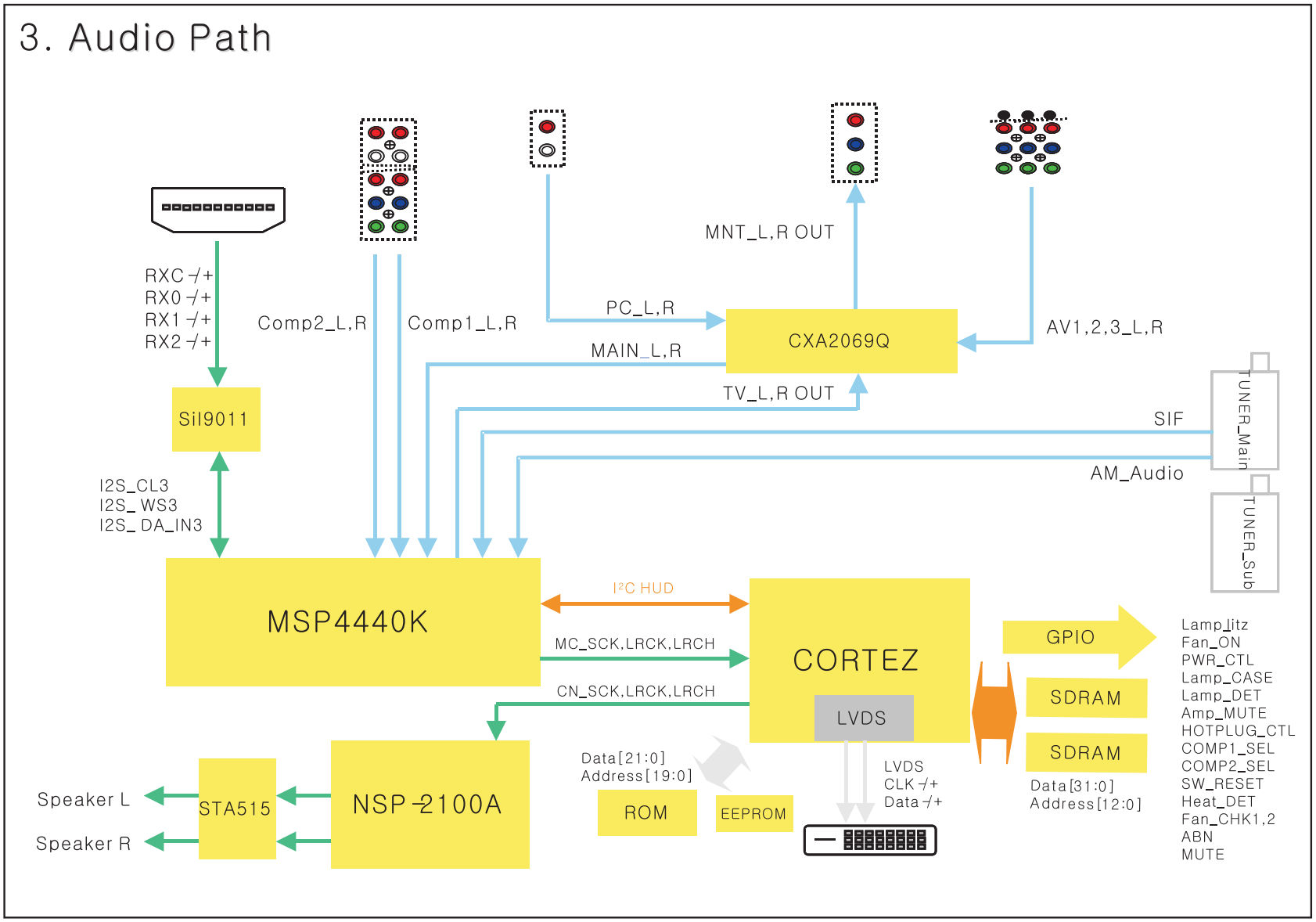
***The information contained in this section subject to model.**

1. Power Path

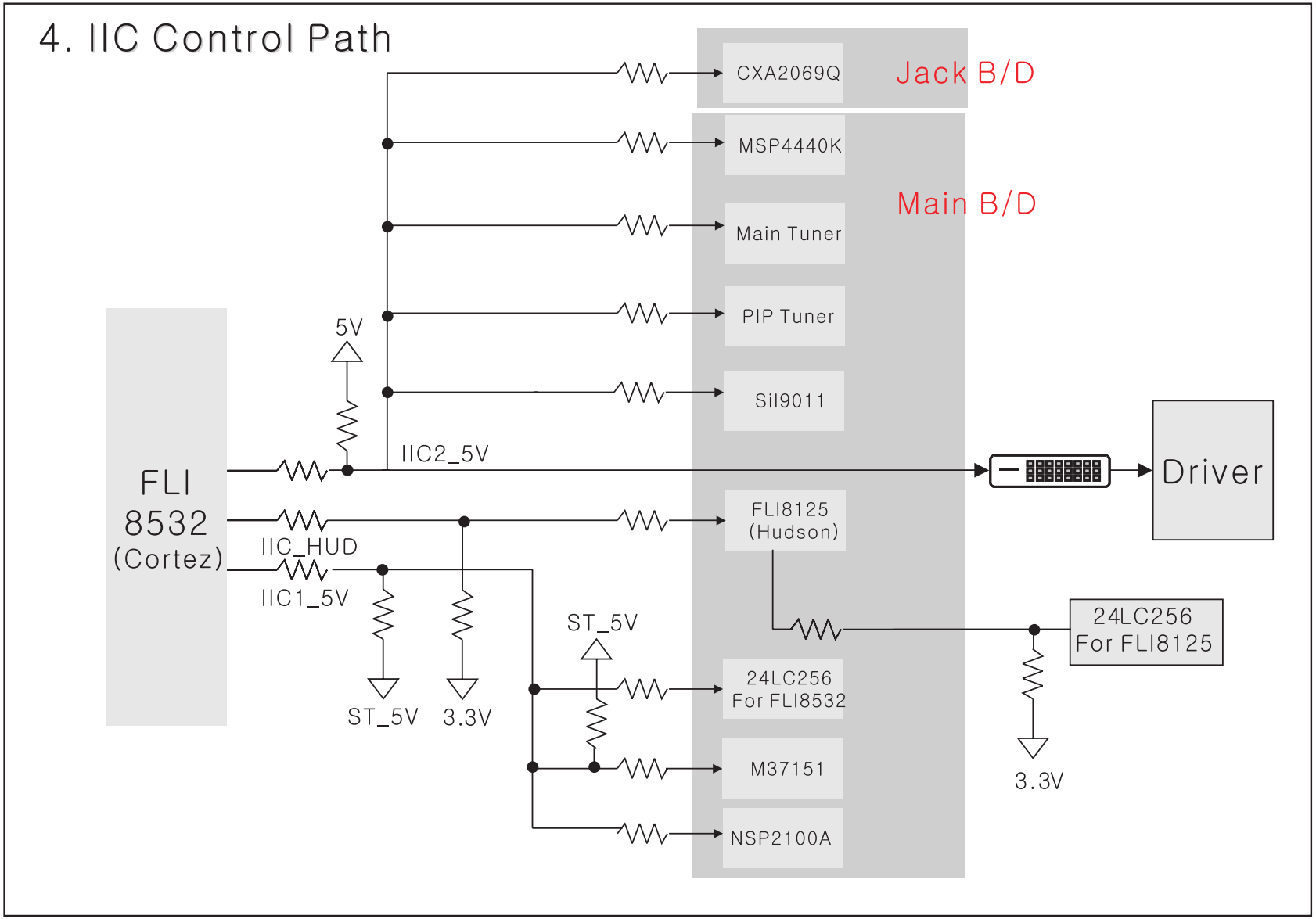



2. Video Path
RXC -/+
RX0 -/+
RX1 -/+
RX2 -/+
Sil9011
RGB[0:23]
HS/VS/DE/CLK
HUDSON
ROM_CSN
ROM_WEN
ROM_SCLK
ROM_SDO
Serial Flash
Master I 2C
EEPROM
Data[21:0]
Address[19:0]
ROM
I2C_HUD
HUD_INT
/HUD_RESET
RGB[0:23]
HS/VS/DE/CLK
CORTEZ
LVDS
LVDS
CLK -/+
Data -/+
EEPROM
GPIO
SDRAM
SDRAM
Data[31:0]
Address[12:0]
Lamp_litz
Fan_ON
PWR_CTL
Lamp_CASE
Lamp_DET
Amp_MUTE
HOTPLUG_CTL
COMP1_SEL
COMP2_SEL
SW_RESET
Heat_DET
Fan_CHK1,2
ABN
MUTE
CXA2069Q
MNT_V OUT
AV1, 2, 3_C,Y,V
Main, Sub_V,Y/Main,Sub_C
Comp1,2 Y, Pb,Pr
RGB,H,V
Main_V,Y/Main_C
Sub_V,Y/Sub_C
Comp1/2_Y,Pb,Pr
RGB,H,V
MAIN_Tuner
Boost
AGC_FB
PIP_Tuner
TUNER_Main
TUNER_Sub

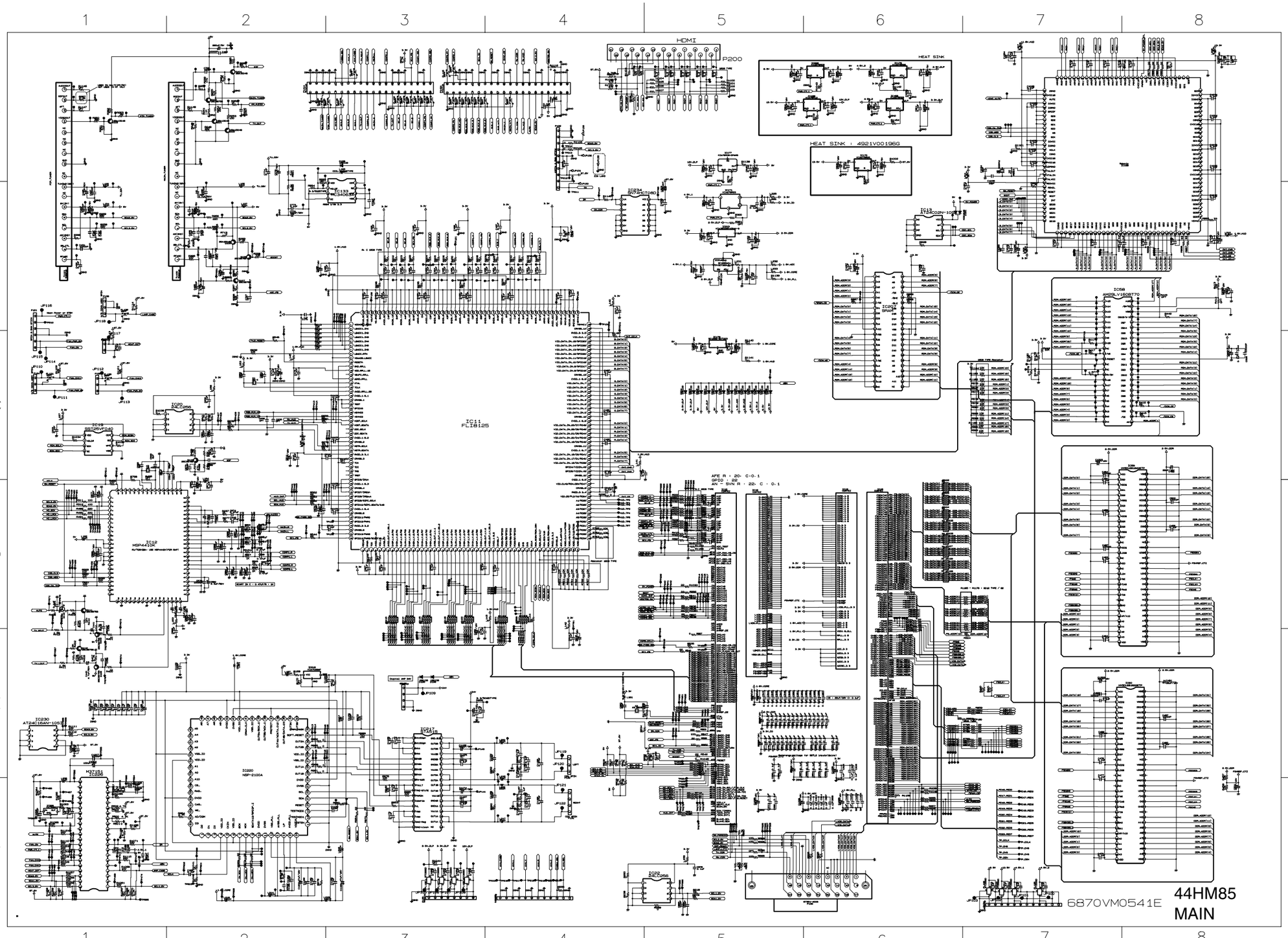
3. Audio Path


RXC -/+
RX0 -/+
RX1 -/+
RX2 -/+
Comp2_L,R
Comp1_L,R
PC_L,R
MNT_L,R OUT
AV1,2,3_L,R
MAIN_L,R
TV_L,R OUT
CXA2069Q
Sil9011
SIF
AM_Audio
TUNER_Main
TUNER_Sub
I2S_CL3
I2S_ WS3
I2S_ DA_IN3
MSP4440K
I²C HUD
MC_SCK,LRCK,LRCH
CN_SCK,LRCK,LRCH
CORTEZ
LVDS
GPIO
SDRAM
SDRAM
Data[31:0]
Address[12:0]
Lamp_litz
Fan_ON
PWR_CTL
Lamp_CASE
Lamp_DET
Amp_MUTE
HOTPLUG_CTL
COMP1_SEL
COMP2_SEL
SW_RESET
Heat_DET
Fan_CHK1,2
ABN
MUTE
Data[21:0]
Address[19:0]
ROM
EEPROM
LVDS
CLK -/+
Data -/+
Speaker L
Speaker R
STA515
NSP-2100A

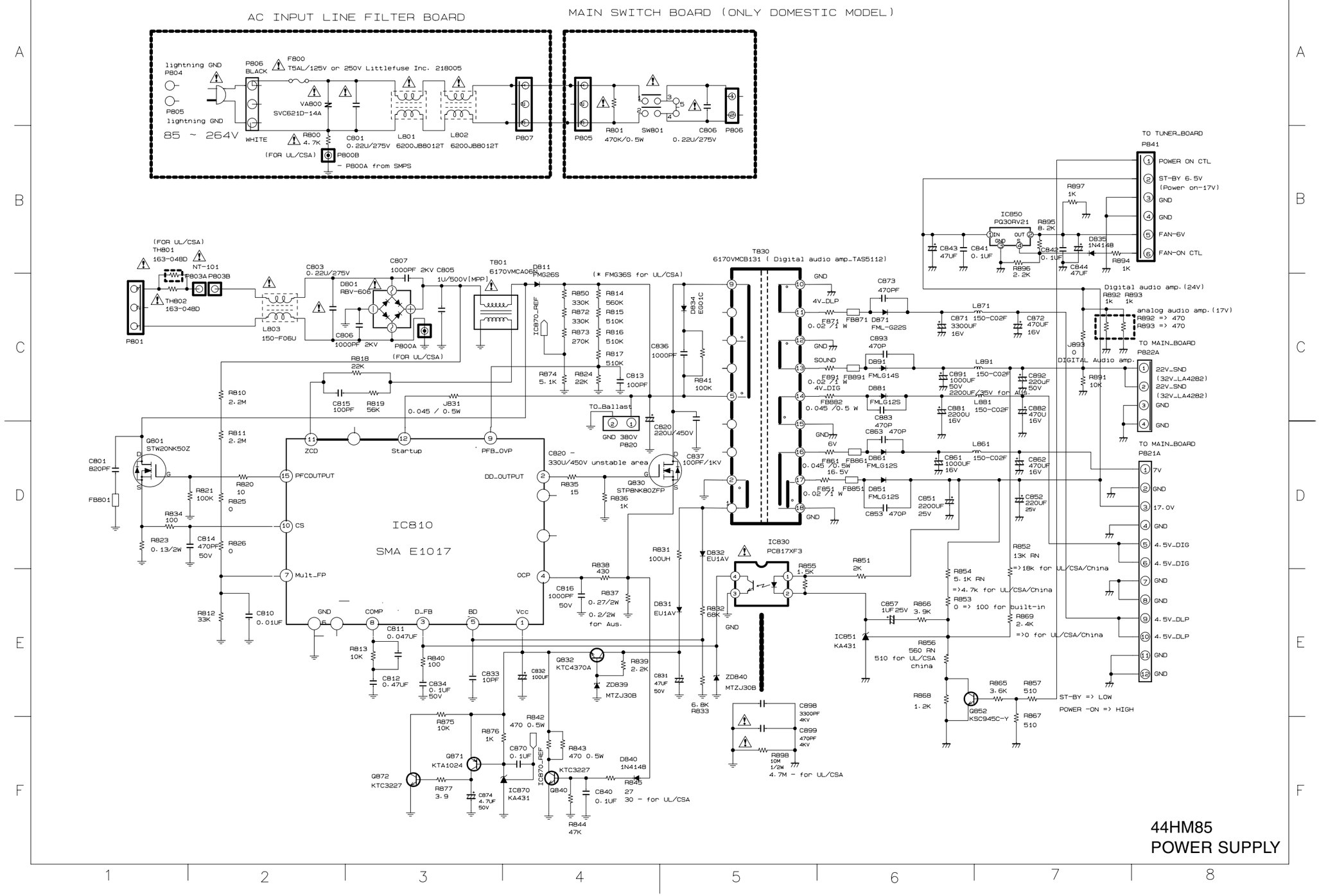
4. IIC Control Path



***The information contained in this section subjects to model.**



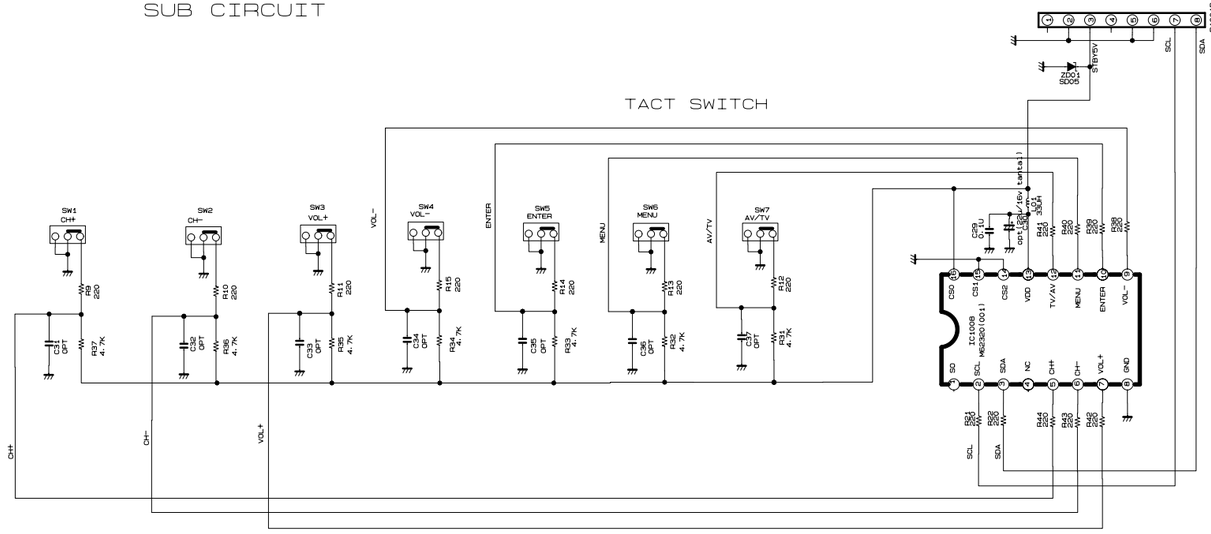
(1/10)


AC INPUT LINE FILTER BOARD
MAIN SWITCH BOARD (ONLY DOMESTIC MODEL)
lightning GND
P804
P805
lightning GND
85 ~ 264V
P806
BLACK
WHITE
F800
T5AL/125V or 250V Littlefuse Inc. 218005
VA800
SVC621D-14A
R800
4.7K
(FOR UL/CSA)
P800B
- P800A from SMPS
C801
0.22U/275V
L801
6200JB8012T
L802
6200JB8012T
P807
P805
R801
470K/0.5W
SW801
C806
0.22U/275V
P806
TO TUNER_BOARD
P841
POWER ON CTL
ST-BY 6.5V
(Power on-17V)
GND
GND
FAN-6V
FAN-ON CTL
R897
1K
IC850
PQ30RV21
R895
8.2K
R896
2.2K
C843
47UF
C841
0.1UF
C842
0.1UF
D835
1N4148
R894
1K
C844
47UF
(FOR UL/CSA)
TH801
163-048D
NT-101
TH802
163-048D
P803A
P803B
P801
C803
0.22U/275V
DB01
RBV-606
C806
1000PF 2KV
P800A
(FOR UL/CSA)
C807
1000PF 2KV
C805
1U/500V[MPP]
T801
6170VMCA06R
DB11
FMG26S
L803
150-F06U
(* FMG36S for UL/CSA)
R850
330K
R872
330K
R873
270K
R814
560K
R815
510K
R816
510K
R817
510K
ICB70_REF
R874
5.1K
R824
22K
C813
100PF
C836
1000PF
DB34
EG01C
R841
100K
T830
6170VMCB131 (Digital audio amp_TAS5112)
GND
4V_DLP
FB871
0.02 /1 W
DB871
FML-G22S
C873
470PF
L871
C871 150-C02F
3300UF
16V
C872
470UF
16V
GND
SOUND
FB891
0.02 /1 W
FB891
C893
470P
DB891
FML-G14S
L891
C891 150-C02F
1000UF
50V
2200UF/35V for AUS.
C892
220UF
50V
GND
4V_DIG
FB882
0.045 /0.5 W
DB881
FML-G12S
C883
470P
L881
150-C02F
C881
2200U
16V
C882
470U
16V
GND
6V
FB861
0.045 /0.5 W
16.5V
FB861
DB861
FML-G12S
L861
150-C02F
C861
1000UF
16V
C862
470UF
16V
F861
0.02 /1 W
FB851
D851
FML-G12S
C853 470P
C851
2200UF
25V
C852
220UF
25V
GND
Digital audio amp.(24V)
R892 R893
1K 1K
analog audio amp.(17V)
R892 => 470
R893 => 470
J893
0
DIGITAL Audio amp.
R891
10K
TO MAIN_BOARD
P822A
22V_SND
(32V_LA4282)
22V_SND
(32V_LA4282)
GND
GND
TO MAIN_BOARD
P821A
7V
GND
17.0V
GND
4.5V_DIG
4.5V_DIG
GND
GND
4.5V_DLP
4.5V_DLP
GND
GND
R810
2.2M
R811
2.2M
R818
22K
C815
100PF
R819
56K
J831
0.045 / 0.5W
TO_Ballast
GND 380V
P820
C820
220U/450V
C820 -
330U/450V unstable area
C837
100PF/1KV
Q801
STW20NK50Z
C801
820PF
FB801
R821
100K
R820
10
R825
0
R834
100
R823
0.13/2W
C814
470PF
50V
R826
0
ZCD
Startup
PFB_OVP
PFCOUTPUT
CS
Mult_FP
IC810
SMA E1017
DD_OUTPUT
R835
15
Q830
STP8NK80ZFP
R836
1K
OCP
R838
430
C816
1000PF
50V
R837
0.27/2W
0.2/2W
for Aus.
GND
COMP
D_FB
BD
Vcc
R812
33K
C810
0.01UF
C811
0.047UF
R813
10K
C812
0.47UF
R840
100
C834
0.1UF
50V
C833
10PF
C832
100UF
Q832
KTC4370A
R839
2.2K
ZD839
MTZJ30B
C831
47UF
50V
ZD840
MTZJ30B
6.8K
R833
R831
100UH
D832
EU1AV
D831
EU1AV
R832
68K
GND
IC830
PC817XF3
R855
1.5K
R851
2K
R852
13K RN
=>18k for UL/CSA/China
R854
5.1K RN
=>4.7k for UL/CSA/China
R853
0 => 100 for built-in
R869
2.4K
=>0 for UL/CSA/China
C857
1UF25V
R866
3.9K
IC851
KA431
R856
560 RN
510 for UL/CSA
china
R868
1.2K
Q852
KSC945C-Y
R865
3.6K
R857
510
R867
510
ST-BY => LOW
POWER -ON => HIGH
C898
3300PF
4KV
C899
470PF
4KV
R898
10M
1/2W
4.7M - for UL/CSA
R875
10K
R876
1K
C870
0.1UF
IC870_REF
R842
470 0.5W
R843
470 0.5W
Q871
KTA1024
Q872
KTC3227
KTC3227
D840
1N4148
R845
27
30 - for UL/CSA
R877
3.9
C874
4.7UF
50V
IC870
KA431
Q840
C840
0.1UF
R844
47K
44HM85
POWER SUPPLY

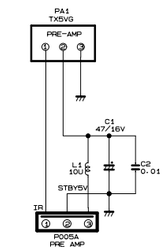
(2/10)

SUB CIRCUIT

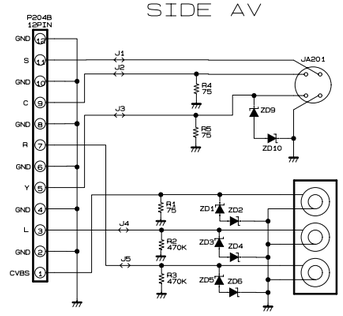
TACT SWITCH



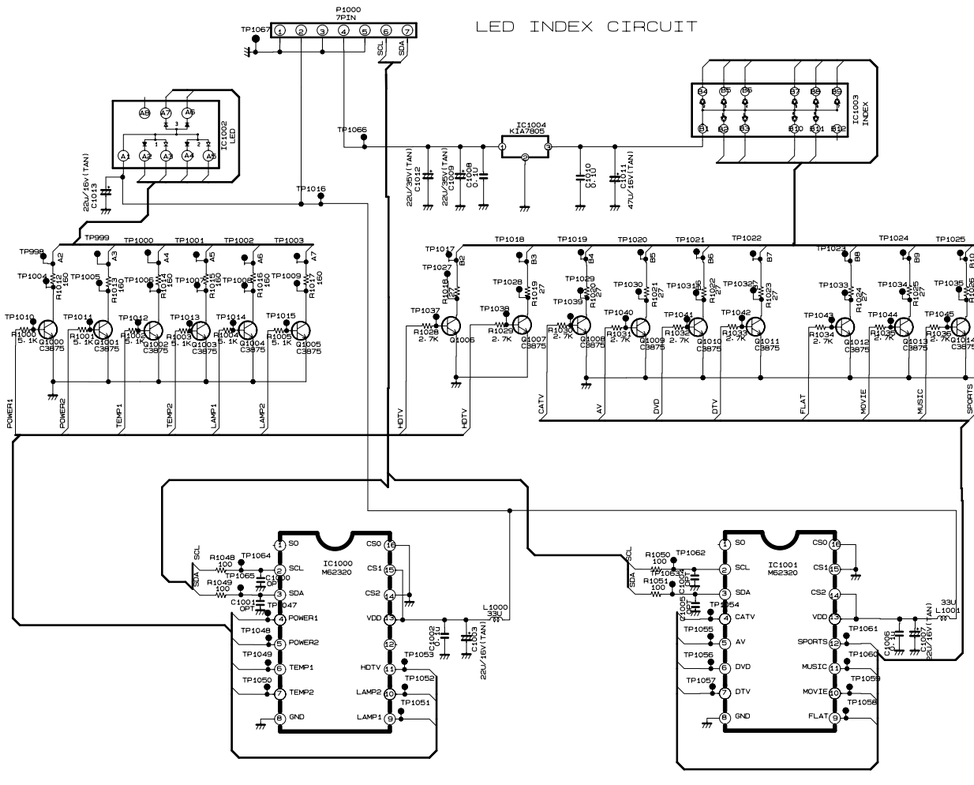
PRE AMP



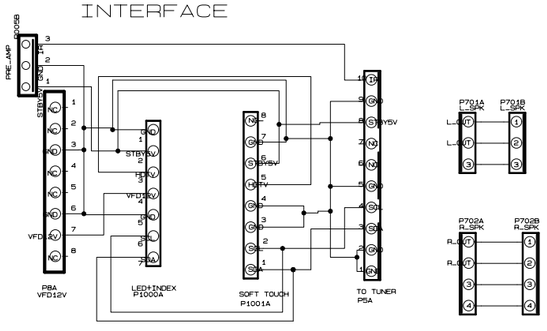
SIDE AV



LED INDEX CIRCUIT

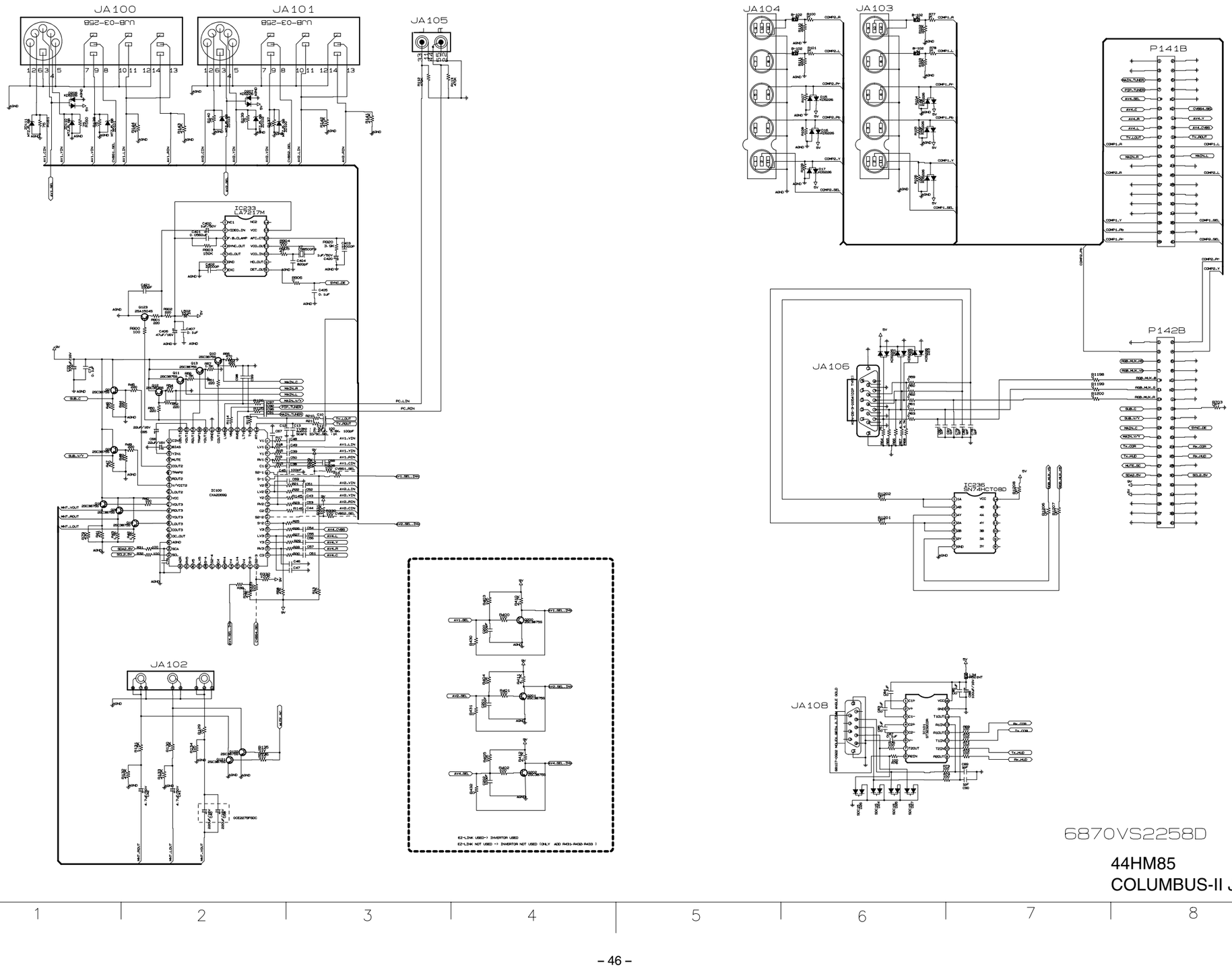


INTERFACE

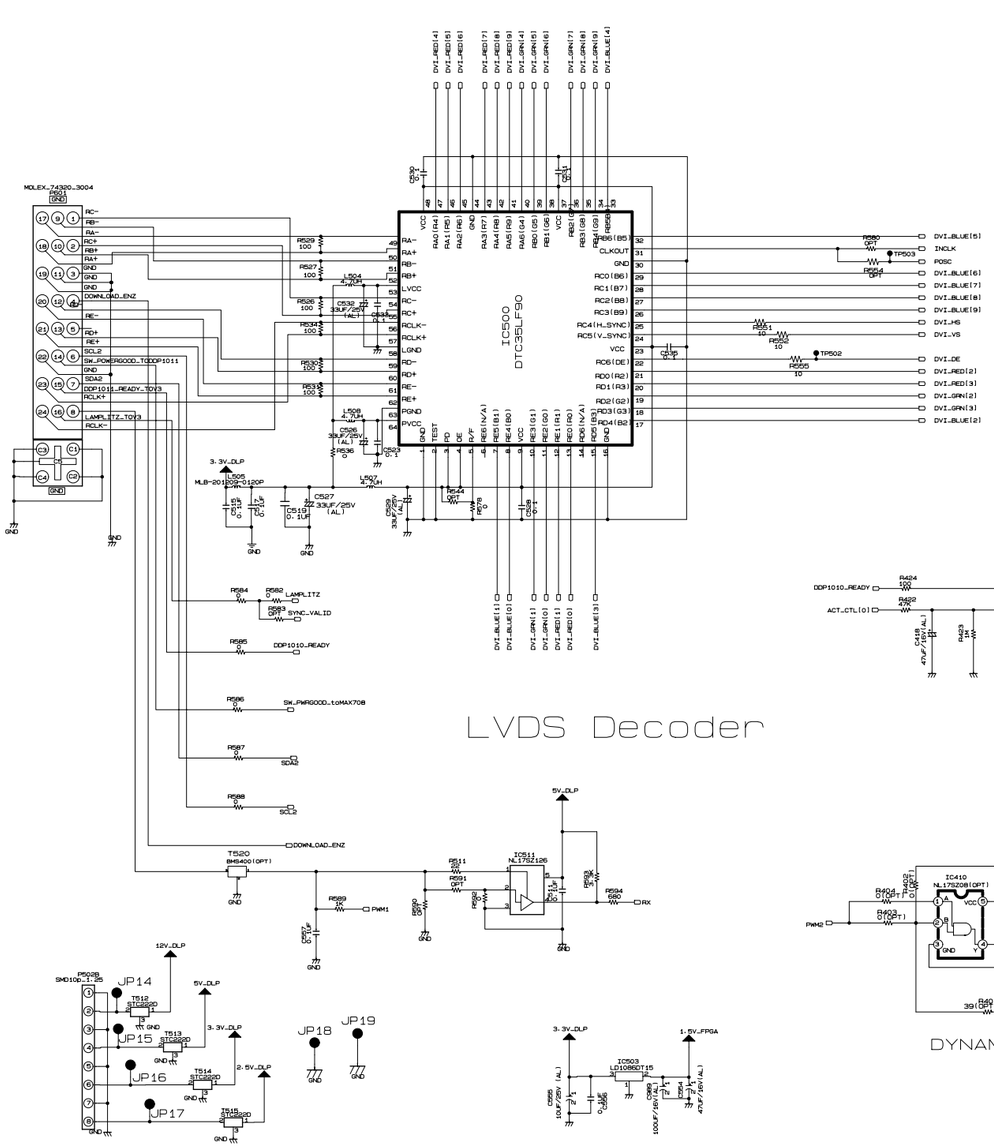


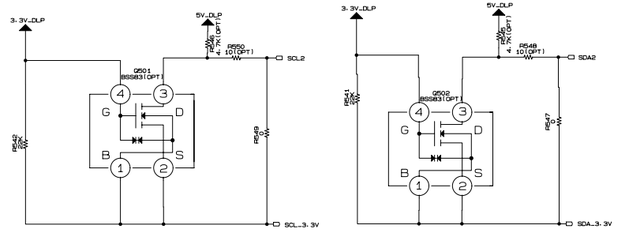
44HM85
SUB CIRCUIT

(3/10)

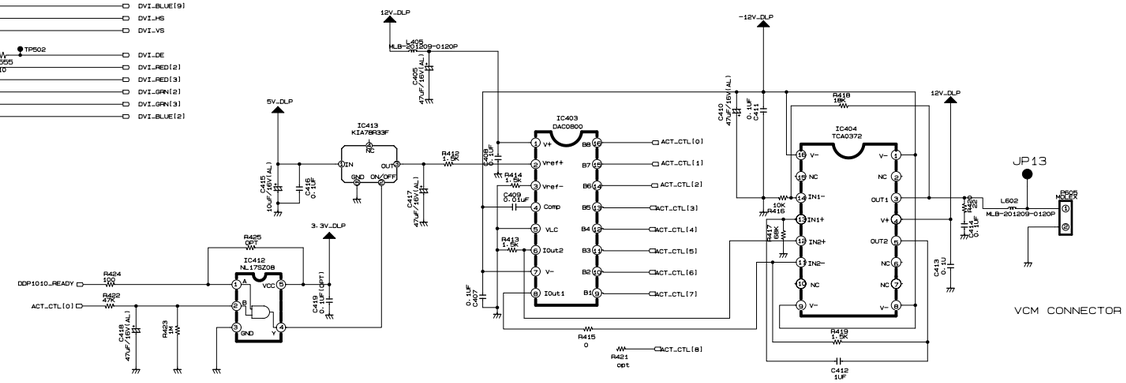

JA100
JA101
JA105
JA104
JA103
P141B
P142B
JA106
JA102
JA108
IC233
LA7217M
IC100
CXA2069Q
IC236
SN74HCT08D
6870VS2258D
44HM85
COLUMBUS-II JACK

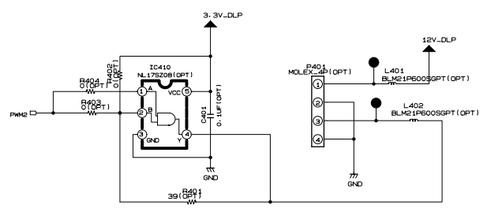
(4/10)

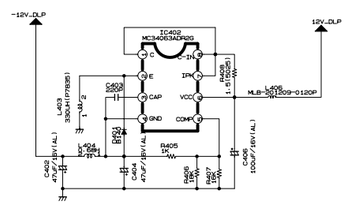




Level Shift

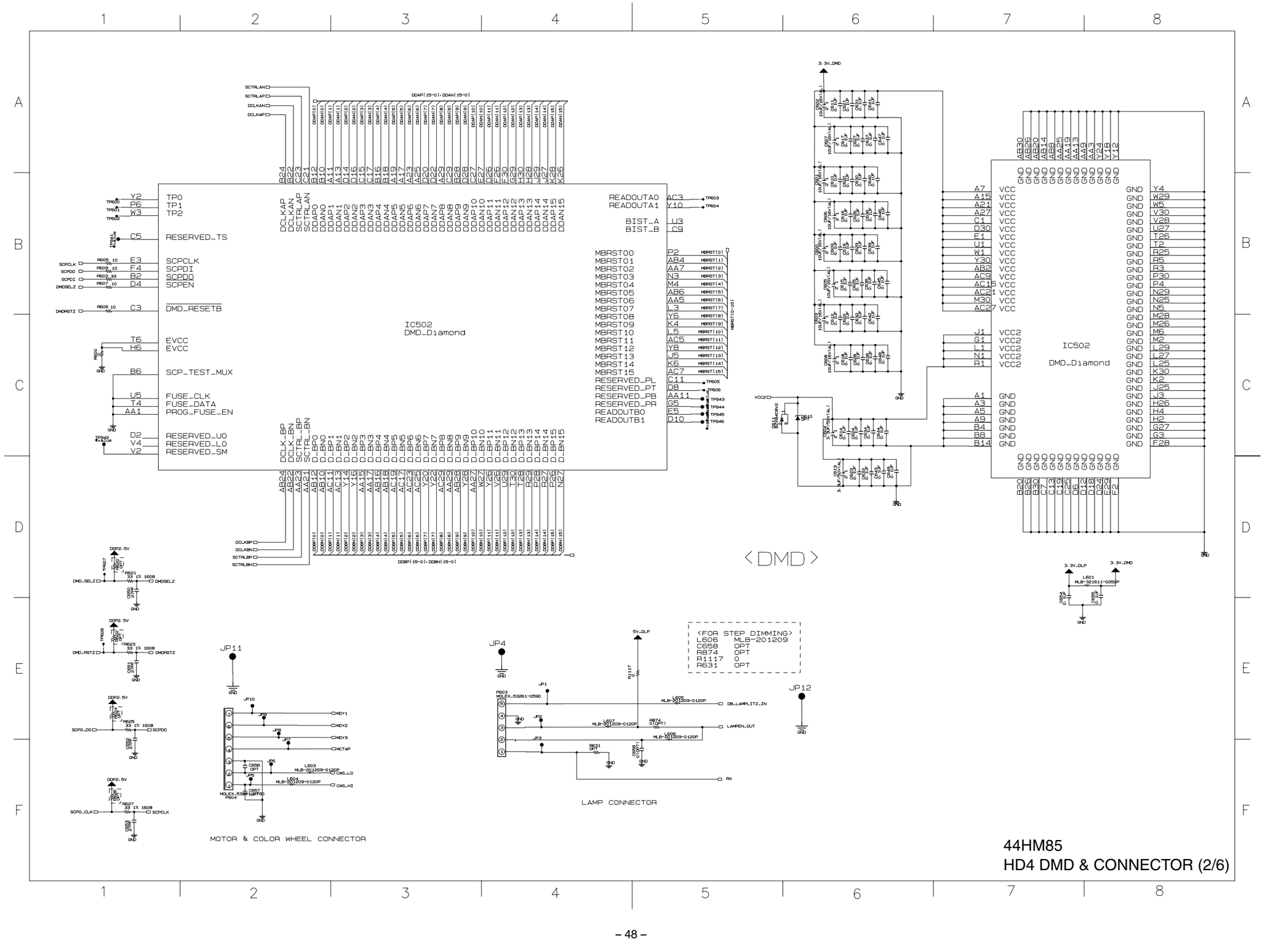






44HM85
HD4 LVDS & POWER,
DAC & CURRENT AMP (1/6)

(5/10)


IC502
DMD_Diamond
<DMD>
<FOR STEP DIMMING>
L606 MLB-201209
C658 OPT
R874 OPT
R1117 0
R631 OPT
MOTOR & COLOR WHEEL CONNECTOR
LAMP CONNECTOR
44HM85
HD4 DMD & CONNECTOR (2/6)

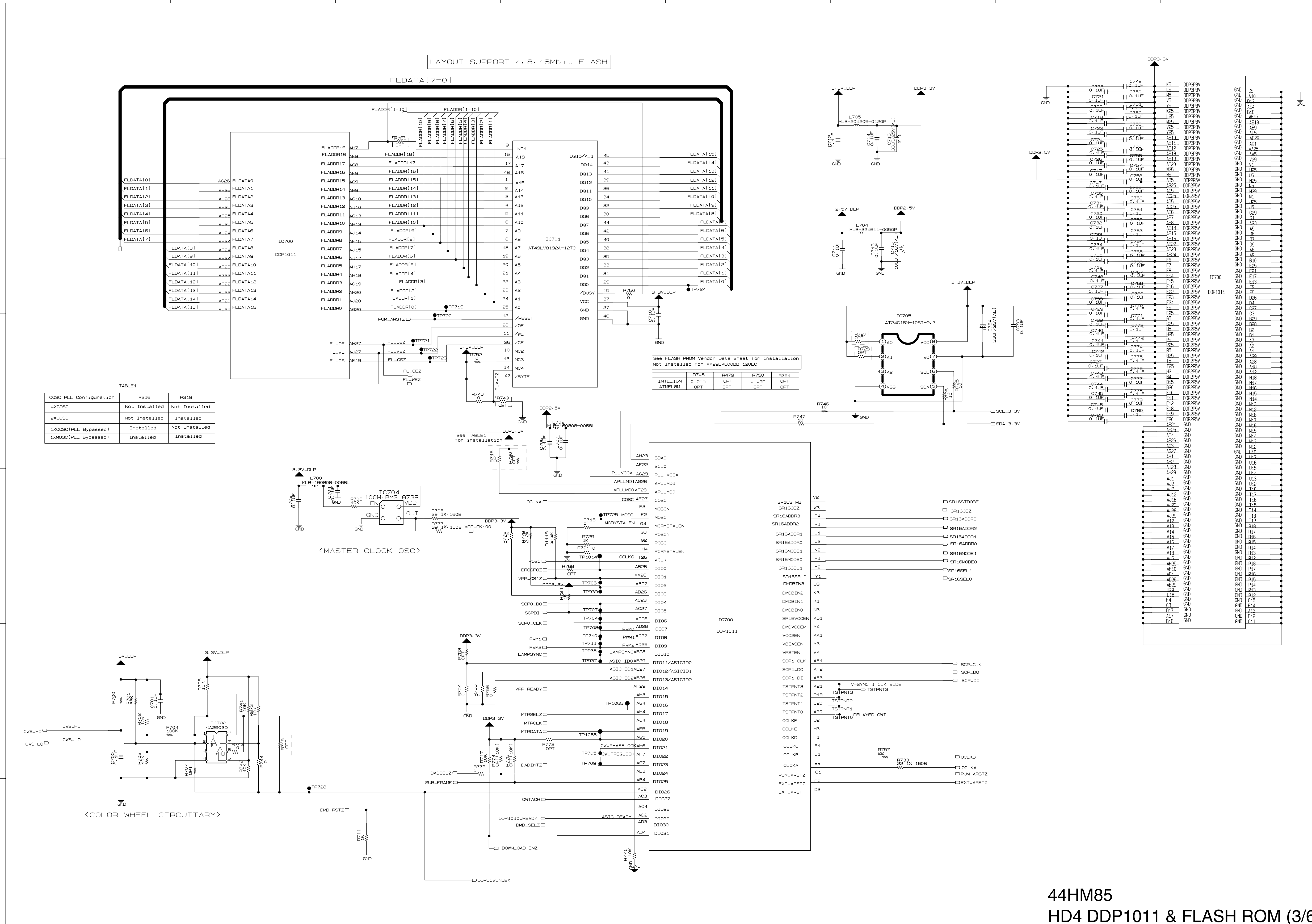


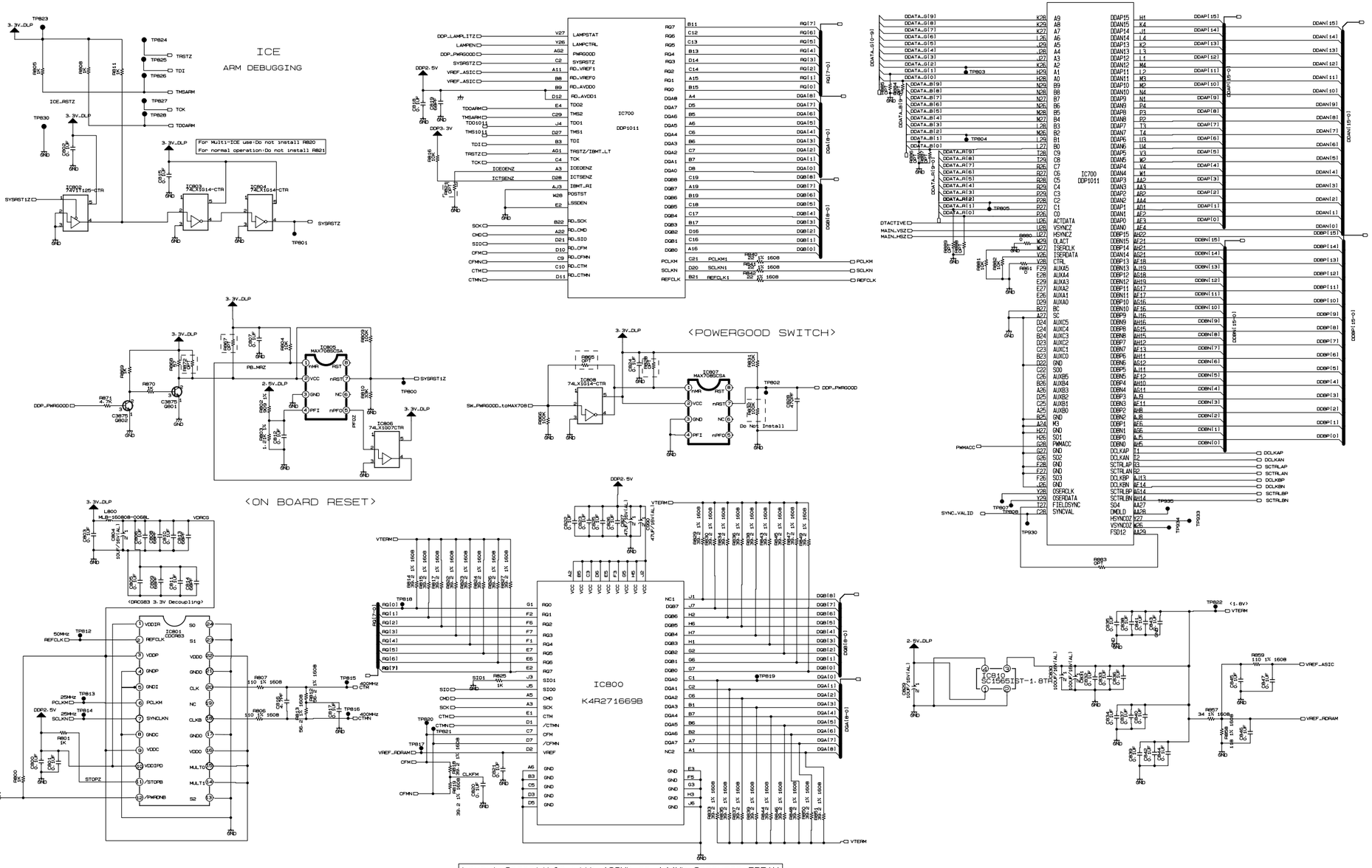
TABLE1

COSC PLL Configuration	R316	R319
4XCOSC	Not Installed	Not Installed
2XCOSC	Not Installed	Installed
1XCOSC(PLL Bypassed)	Installed	Not Installed
1XMOSC(PLL Bypassed)	Installed	Installed

See FLASH PROM Vendor Data Sheet for installation
Not Installed for AM29LV800BB-120EC

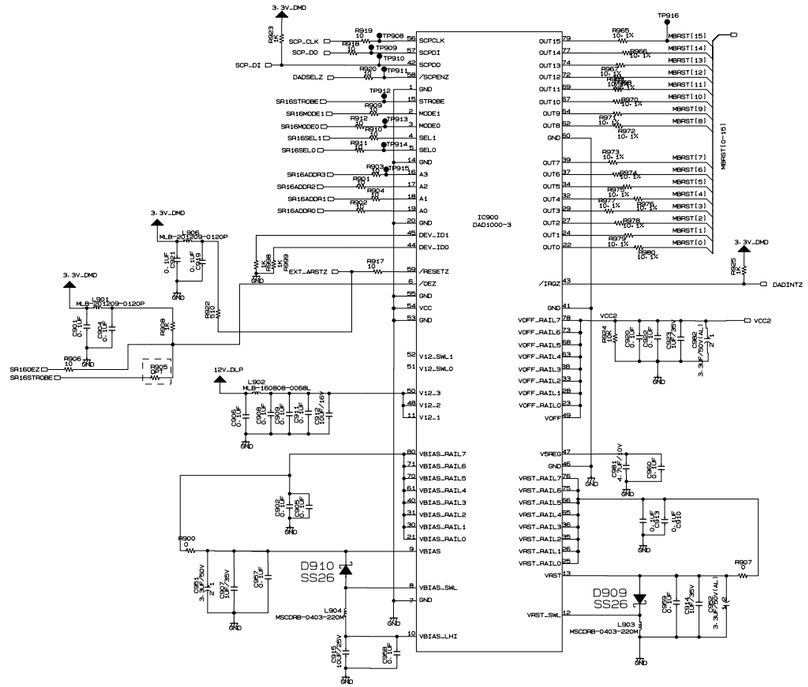
	R748	R479	R750	R751
INTEL16M	0 Ohm	OPT	0 Ohm	OPT
ATMEL8M	OPT	OPT	OPT	OPT

44HM85
HD4 DDP1011 & FLASH ROM (3/6)

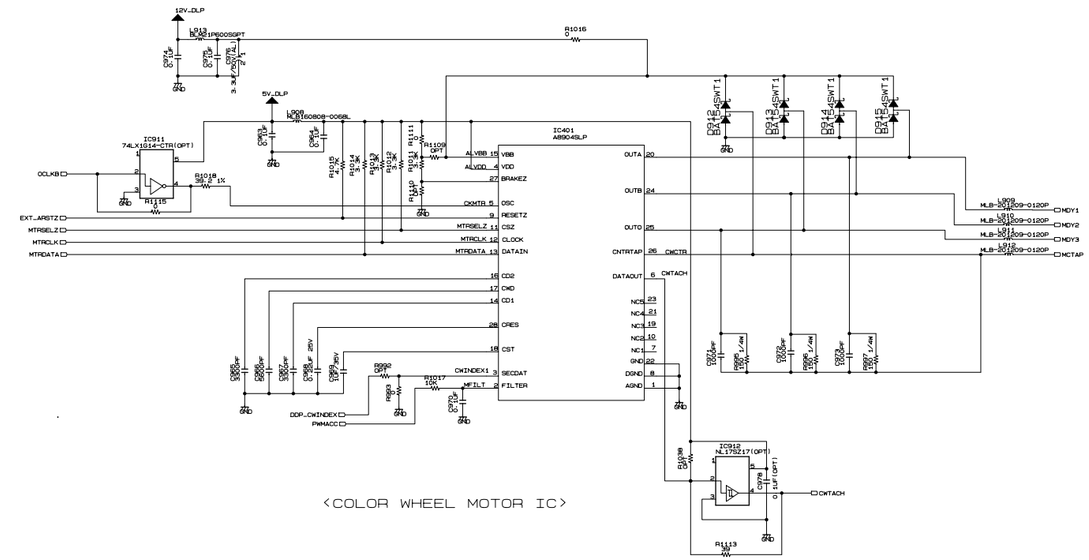


44HM85
HD4 RDRAM & DDP1011 (4/6)

(8/10)

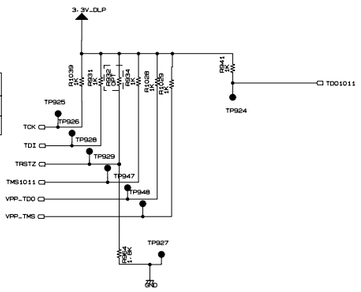


< DAD1000-3 >

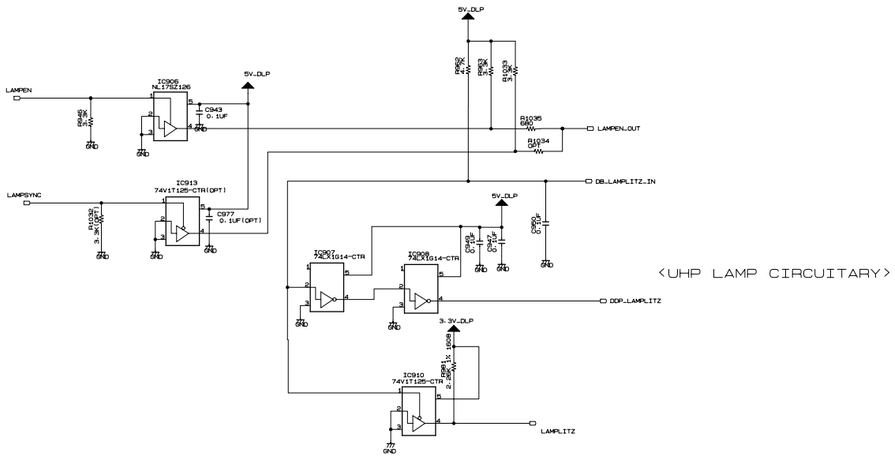


<COLOR WHEEL MOTOR IC>

TRSTZ	
R932	PULL-UP WHEN ICE
R964	PULL-DOWN WHEN NORMAL OPERATION

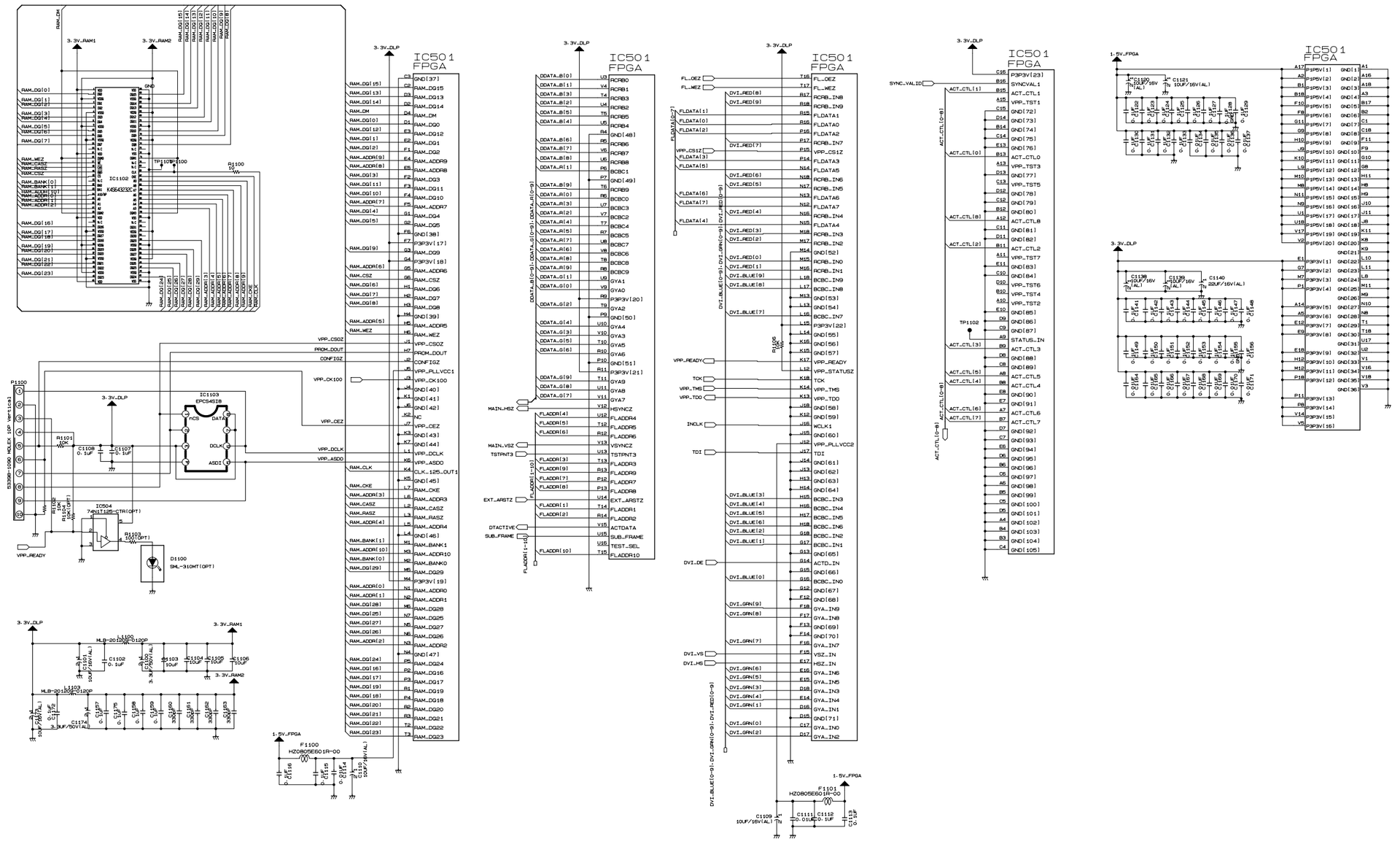


<DDP1011JTAG>



<UHP LAMP CIRCUITARY>

44HM85
HD4 DAD, MOTOR, LAMP (5/6)



44HM85
HD4 FPGA, SDRAM, PROM (6/6)

(10/10)